

Dr. Jacques BANCHEREAU

Curriculum Vitae

- **PhD**
- **Director of the Baylor Institute for Immunology Research**

Professional Address

Baylor Institute for Immunology Research
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Education and Professional Background
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1975	Graduated as a Pharmacist .
1975 - 1980	4 year internship in pharmacy, clinical chemistry, clinical microbiology; Certification in: clinical biochemistry, clinical immunology, clinical microbiology, clinical parasitology (University of Paris)
1980	PhD in biochemistry (University of Paris).
1976 - 1977	Research Fellow at the College of Physicians and Surgeons of Columbia University, New York (Pr. Nahas and Pr. Hembree).
1981	Scientist in the newly created UNICET Laboratory for Immunological Research, Dardilly, France (former name of Schering-Plough France)
1984 - 1996	Director of Schering-Plough Laboratory for Immunological Research, Dardilly, France
1993	"Habilitation à diriger des recherches" delivered by University Claude Bernard, Lyon I
11/93 –2/94	Visiting Professor of Microbiology, Pr. J.D. Capra's laboratory UT Southwestern Medical Center, Dallas, Texas.
1996 - Present	Director of Baylor Institute for Immunology Research Dallas, Texas
1996 - Present	Adjunct Professor of Microbiology, UT Southwestern Medical Center, Dallas, Texas
1996 – Present	Adjunct Professor of Biomedical Studies, Baylor Univeristy Medical Center, Waco, Texas
1998 - Present	Member of the Cancer Immunobiology Center, (Dr. Ellen S. Vitetta, Director) UT Southwestern Medical Center, Dallas, Texas
2008-	Director: INSERM unit in Dallas, Texas: “New Vaccines Targeting Dendritic Cells”
Pending	Professor at Mount Sinai School of Medicine, New York, New York

FIELDS OF THEORETICAL AND PRACTICAL EXPERTISE

- Immunology
- Cellular Biology
- Cellular Pharmacology
- Biochemistry
- Hematology
- Flow Cytometry
- Molecular Biology

MEMBERSHIPS

• United States Societies:

American Association of Immunologist
American Society of Hematology
American Association for the Advancement of Science
American Association for Cancer Research
New York Academy of Sciences
Society for Biological Therapy
Society of Leukocyte Biology

• French Societies:

Société Française d'Allergologie et d'Immunologie Clinique
Société Française d'Immunologie
Société Française de Biochimie et Biologie Moléculaire
Association de Cytométrie en Flux

• International Societies:

International Cytokine Society
International Society for Interferon Research
International Society for Experimental Hematology

EDITORIAL BOARDS

Present

- Journal of Experimental Medicine

Past

- European Cytokine Network
- Scandinavian Journal of Immunology
- International Immunology
- Cellular Immunology
- Journal of Clinical Immunology

REVIEW AND REFEREE ACTIVITIES

Journals: Blood, Immunity, Journal of Immunology, Nature, Nature Biotechnology, Nature Cell Biology, Nature Immunology, Nature Medicine, PNAS, Science.

NIH Study Sections:

- Ad Hoc: Immunobiology Study Section (June 1998)
Experimental Immunology (Feb 2000)

- Permanent: Experimental Immunology (July 2000- June 2004)

PATENTS

- 1 **Monoclonal antibodies to γ -Interferon, hybridomas producing such antibodies and kit for using such antibodies.** J. Banchemreau, H. Cabrillat, O. Djossou, C. Favre, J. Wijdenes. *US4948738 (08/14/90), EP229794B1 (08/29/90)*
- 2 **Monoclonal antibodies to human lymphocyte IgE receptors, hybridomas producing such antibodies, and kits for using such antibodies.** J.Y. Bonnefoy, J. Wijdenes, C. Péronne, J.P. Aubry, J. Banchemreau. *EP269728B1 (12/11/91)*
- 3 **Monoclonal antibodies specific for B cells and retrovirally transformed T cells.** J. Banchemreau, A. Vallé. *US5162224 (11/10/92)*
- 4 **Method of making factor dependent human B cell lines.** J. Banchemreau, F. Rousset. *EP505397B1 (03/06/96)*
- 5 **Pharmaceutical compositions for the treatment of B-cell malignancies.** J. Banchemreau, T. Defrance. *EP490006B1 (06/22/94), EP561927B1 (03/13/96)*
- 6 **Monoclonal antibodies against the human IL4 receptor and hybridomas producing the same.** JP Galizzi, O Djossou, and J. Banchemreau. *EP604693A1 (07/06/94)*
- 7 **In vitro generation of human dendritic cells and uses thereof** J. Banchemreau, C. Caux. *EP63393081 (01/16/95), US6004807 (12/21/99)*
- 8 **Human monoclonal antibodies and processes and materials for making such antibodies.** S. Lebecque, F. Rousset, J. Banchemreau. *EP619323A1 (10/12/94)*
- 9 **Human monoclonal antibodies against human cytokines and methods of making and using such antibodies.** P. Garrone, O. Djossou, F. Fossiez and J. Banchemreau. *EP659766A1 (06/28/95), EP788545A2 (08/13/97), US5959085 (09/28/99)*
- 10 **Treatment of neoplastic disease with interleukin 10.** P.J. Vieira, K.W. Moore, R. de Waal Malefyt, J.E. de Vries, A.C. Fluckiger, J. Banchemreau.
- 11 **Purified mammalian CTLA-8 antigens and related reagents.** P. Golstein, E. Rouvier, F. Fossiez, S. Lebecque, O. Djossou, J. Banchemreau. *WO9518826A3 (07/13/95), EP733069A1 (09/25/96), US6274711B1 (8/14/01)*
- 12 **Novel uses of mammalian CTLA8 and related regions.** J. Banchemreau, O. Djossou, L. Flores-Romo, F. Fossiez, P. Golstein, M. Krishna, S. Lebecque, R. Murray. *WO9715320A1 (05/01/97), EP862454A1 (09/09/97)*
- 13 **Human Interleukin-13.** G. Aversa, J. Banchemreau, F. Briere, B. Cooks, R. Coffman, J. Culpepper, W. Dang, J. de Vries, R. de Waal Malefyt, T. Doherty, A. Heath, A. McKenzie, J. Punnonen, G. Zurawski. *WO9404680A1 (03/03/94), EP656947A1 (06/14/95)*
- 14 **Human B cell antigens, related regions.** YJ Liu, I. Fugier-Vivier, J. Banchemreau. *EP910636A1 (04/28/99), WO9744452A1 (11/27/97)*
- 15 **Mammalian dendritic cell chemokine reagents.** C. Caux, S. Lebecque, J. Banchemreau. *WO9729192A1 (08/14/97)*
- 16 **Isolated mammalian dendritic cell genes, related regions.** E. Bates, B. de Saint-Vis, C. Caux, S. Lebecque, J. Banchemreau. *WO9823747A2 (06/04/98).*
- 17 **Use of allogeneic cell lines to load antigen-presenting cells to elicit or eliminate immune responses.** J. Banchemreau, A.K. Palucka, F. Berard, P. Blanco, M. Neidhart-Berard, M. Nouri-Shirazi. *US10/110,553 (08/30/02) (Pending).*
- 18 **Adjuvants and processes to induce a specific type of immune response.** J. Banchemreau, B. Pulendran, C. Cutler. *US10/311,123, (06/06/03) 6,818,221 (11/16/04) (Issued).*
- 19 **Compositions and methods for producing antigen presenting cells.** J. Banchemreau, M. Mohamadzadeh, A.K. Palucka. *US10/275,620 (01/28/03) (Pending).*
- 20 **Vaccines composed of dendritic cells loaded with dying cells and their use in vitro and in vivo.** J. Banchemreau, A.K. Palucka, M. Nouri-Shirazi. *US 60/159,903 (10/15/99). (Pending).*

- 21 **Method of treating malignancies through induction of blood immune responses.** J. Banchereau, A.K. Palucka, J. Fay, R. Steinman, M. Dhodapkar, K. Wittkowski. 04104241.5 (06/11/04). (*Pending*).
- 22 **Autoimmune disease treatment method and in vitro diagnostic assay.** J. Banchereau, A.K. Palucka, P. Blanco. US 60/260,541 (01/09/01). (*Converted*).
- 23 **Blood microarrays to predict vaccine efficacy.** J. Banchereau, A.K. Palucka, J. Fay. NIH Invention: 2915302-03-0001 (06/05/03). (*Pending*).
- 24 **CD34-derived DC vaccine to treat malignancies.** J. Banchereau, A.K. Palucka, J. Fay. NIH Invention: 2915302-03-0002 (06/05/03). (*Pending*).
- 25 **Antigen presenting cells generated by culturing monocytes with GM-CSF and interleukin-15.** J. Banchereau, M. Mansour, A.K. Palucka. US 10/275,620 (05/11/01). (*Pending*).
- 26 **Type I interferons and type I interferon-producing cells as target for the management of autoimmune diseases.** J. Banchereau, A.K. Palucka, P. Blanco. US 60/260,540 (01/08/02). (*Pending*).
- 27 **SLE Treatment by blocking type I interferon** J. Banchereau, A.K. Palucka, P. Blanco (*Pending*)
- 28 **Compositions and methods for the systemic treatment of arthritis.** J. Banchereau and V. Pascual. PCT/US2005/006200. (02/26/05). (*Pending*).
- 29 **Systemic arthritis treatment method.** J. Banchereau, V. Pascual. US60/548,033 (02/26/04). (*Converted*).
- 30 **Immune response assessment method.** J. Banchereau, J.E. Connolly, A.K., Palucka, Hideki Ueno. US11/135,733 (05/24/05). (*Pending*).
- 31 **Dendritic cells loaded with heat shocked melanoma cell bodies.** J. Banchereau, A.K. Palucka US60/261,957 (10/25/04). (*Pending*).
- 32 **Rapid one-step method for generation of antigen loaded dendritic cell vaccine from precursors.** J. Banchereau, A.K. Palucka. (08/03/05). (*Pending*).
- 33 **High throughput closed system generation of a dendritic cell vaccine.** A.K. Palucka, J. Banchereau, N. Taquet, S. Burkeholder. (*Pending*).
- 34 **Diagnosis of systemic onset juvenile idiopathic arthritis.** V. Pascual, J. Banchereau, D. Chaussabel, F. Allantaz. (*Pending*).
- 35 **Multivariable antigens complexed with targeting humanized monoclonal antibody.** J. Banchereau, S. Oh, G. Zurawski, S. Zurawski, D. Li. 60/888,029 (02/02/07) (*Pending*).
- 36 **Vaccines based on targeting antigen to DCIR expressed on antigen-presenting cells.** J. Banchereau, S. Oh, G. Zurawski, S. Zurawski, D. Li 60/888,032 (02/02/07) (*Pending*).
- 37 **Agents that engage antigen-presenting cells through dendritic cell asialoglycoprotein receptor (DC-ASGPR).** J. Banchereau, S. Oh, G. Zurawski, S. Zurawski, D. Li. 60/888,036 (02/02/07) (*Pending*).
- 38 **Activation of human antigen-presenting cells through CLEC-6.** J. Banchereau, S. Oh, G. Zurawski, S. Zurawski, D. Li. 60/891,418 (02/23/07) (*Pending*).
- 39 **Activation of human antigen-presenting cells through dendritic cell lectin-like oxidized LDL receptor-1 (LOX-1).** J. Banchereau, S. Oh, G. Zurawski, S. Zurawski, D. Li. 60/891,424 (02/23/07) (*Pending*).
- 40 **Therapeutic applications of activation of human cells through Dectin-1.** J. Banchereau, S. Oh, G. Zurawski, S. Zurawski, D. Li. 60/891,425 (02/23/07) (*Pending*).
- 41 **Gene expression in peripheral blood mononuclear cells from children with diabetes.** V. Pascual, J. Banchereau, D. Chaussabel, E. Kaizer, P. White. (03/14/07) (*Pending*).

CONFERENCES AT SCIENTIFIC CONGRESSES

1988

- **9TH EUROPEAN IMMUNOLOGY MEETING**
Rome, Italy - September 14-17, 1988
- **6TH INTERNATIONAL LYMPHOKINE WORKSHOP**
Evian, France - October 1988

1989

- **EUROPEAN NETWORK OF IMMUNOLOGY INSTITUTES**
Immune Functions at the Molecular Level
Les Embiez, France - May 1989
- **CYTOKINES IN HEMOPOIESIS, ONCOLOGY, AND AIDS**
First International Symposium
Hannover, Germany - June 14-17, 1989
- **XVIIITH ANNUAL MEETING INTERN. SOCIETY EXPERIMENTAL HEMATOLOGY**
Paris, France - July 16-20, 1989
- **7TH INTERNATIONAL CONGRESS OF IMMUNOLOGY**
Berlin, Germany - July 30 - August 5, 1989

1990

- **1ST INT. CONGRESS ON "CYTOKINES: BASIC PRINCIPLES & CLIN.APPLICATIONS"**
Palazzo dei Congressi, Florence, Italy - March 26-28, 1990
- **HUMAN ANTIBODIES: GENES AND EXPRESSION IN AUTOIMMUNE DISEASES**
Annecy, France - June 8-9, 1990
- **FUNDAMENTAL MECHANISMS OF MUCOSAL IMMUNOLOGY & IMMUNOLOGICAL DISEASES OF THE GI TRACT**
Berlin, Germany - September 13-15, 1990
- **MECHANISMS OF VASCULAR & TISSUE DAMAGE IN DEMYELINATING DISEASE**
San Martino al Cimino, Italy - October 3-7, 1990

1991

- **WORKSHOP ON B CELL NEOPLASIA 1991**
Basel Institute for Immunology, Switzerland - April 14-16, 1991
- **EUROPEAN BIOTECHNOLOGY TODAY**
The Impact of Basic Science on Diagnosis and Therapy
Florence, Italy - October 8-10, 1991
- **5TH INTER. CONF. IMMUNOBIOLOGY & PROPHYLAXIS HUMAN HERPES VIRUS INFECTIONS**
St. Petersburg, Florida, USA - October 6-9, 1991
- **ISIR 91: ANNUAL MEETING INTERNATIONAL SOCIETY INTERFERON RESEARCH**
Nice, France - November 3-8, 1991
- **33RD ANNUAL MEETING AMERICAN SOCIETY OF HEMATOLOGY**
Colorado Convention Center, Denver, Colorado, USA - December 6-10, 1991

1992

- **INTERLEUKINS AND OTHER CYTOKINES - TPI MEETING**
London, U.K. - February 12-14, 1992
- **2ND INT. CONGRESS ON "CYTOKINES: BASIC PRINCIPLES & CLIN. APPLICATIONS"**
Florence, Italy - March 23-25, 1992
- **1ST EUROPEAN WINTER CONFERENCE IN IMMUNOLOGY**
"The Saint-Sorlin Workshop"
Alpes, France - April 6-9, 1992
Co-organizer with Dr. D. Fradelizi (INSERM U 283)
- **REUNION DE PRINTEMPS DE LA SOCIETE FRANÇAISE D'IMMUNOLOGIE**
Lyon, France - April 9-10, 1992

- **BIOTECH 92: INTERN SYMPOSIUM "NEW GENERATION OF MONOCLONAL ANTIBODIES IN DIAGNOSIS AND THERAPY"**
Genoa, Italy - April 12-15, 1992
- **EUROPEAN SCHOOL OF HAEMATOLOGY**
Paris, France - April 1992
- **MECHANISMS IN B-CELL NEOPLASIA**
Bethesda, Maryland, USA - April 21-23, 1992
- **XVTH CONGRESS EUROPEAN ACAD. ALLERGOLOGY & CLINICAL IMMUNOLOGY**
Paris, France - May 10-15, 1992
- **EUROPEAN NETWORK OF IMMUNOLOGY INSTITUTES**
Structures and Interactions of Molecules of the Immune System
Les Embiez, France - May 20-24, 1992
- **THE THIRTY-EIGHTH HARDEN CONFERENCE**
Haematopoietic Cell Growth Factors
Ashford, Kent, U.K - September 6-11, 1992
- **VTH INTERN. SYMPOSIUM ON EPSTEIN-BARR VIRUS & ASSOCIATED DISEASES**
Annecy, France - September 13-19, 1992

1993

- **KEYSTONE SYMPOSIA: CYTOKINES**
Keystone, Colorado, USA - January 31 - February 7, 1993
- **KEYSTONE SYMPOSIA: B CELL IMMUNOLOGY**
Taos, New Mexico - February 1-8, 1993
- **3RD INTER CONF ON NEGATIVE REGULATION HEMATOPOIETIC CELL GROWTH & DIFFERENTIATION. MOLECULAR, CELLULAR & CLINICAL ASPECTS**
Paris, France - April 18-22, 1993
- **EURO-CANCER 93**
Paris, France - April 27-29, 1993
- **EUROPEAN NETWORK OF IMMUNOLOGY INSTITUTES**
Integrated Function of Molecules of the Immune System
Les Embiez, France - May 12-16, 1993
- **UPDATE IN HAEMATOLOGY/ONCOLOGY III**
Seminar on Cytokines
European School of Oncology, Vienna, Austria - June 25-26, 1993
- **INTERNATIONAL WORKSHOP: GROWTH FACTORS AND MEDICAL ONCOLOGY**
Biological Acquisitions and Clinical Applications
Rimini, Italy - June 14-16, 1993
- **CELLS AND CYTOKINES IN LUNG INFLAMMATION**
Institut Pasteur Paris, France - June 24-25, 1993
- **EIGHTH SYMPOSIUM: MOLECULAR BIOLOGY OF HEMATOPOIESIS**
Basel, Switzerland - July 9-13, 1993
- **T CELLS AND CYTOKINES IN HEALTH AND DISEASE**
Oxford, U.K. - September 18-22, 1993
- **SOCIETE FRANÇAISE DU CANCER - SOCIETE FRANÇAISE D'IMMUNOLOGIE**
Marseille, France - December 16-17, 1993
- **CLINICAL IMMUNOLOGY AND EUROPEAN ACADEMY OF ALLERGOLOGY**
Rotterdam, The Netherlands - September 12-15, 1993

1994

- **ESH TEACHING COURSE: IMMUNOTHERAPY IN CANCER, LEUKEMIA & LYMPHOMA**
Paris, France - November 14-17, 1994
- **TH1 TH2 MEETING - FONDATION POUR LA RECHERCHE MEDICALE**
Paris, France - February 11-12, 1994
- **VIRALLY ENCODED CYTOKINE INHIBITORS**
London, U.K. - April 11, 1994
- **THE INTERNATIONAL CONFERENCE ON IMMUNOSUPPRESSION**
London, U.K. - April 25-26, 1994
- **SOCIETE FRANCAISE D'IMMUNOLOGIE: REUNION FRANCO-ITALIENNE**
Paris, France - May 30-31, 1994
- **12TH EUROPEAN IMMUNOLOGY MEETING**
Barcelona, Spain - June 14-17, 1994
- **3RD INTERN SYMPOSIUM ON DENDRITIC CELLS IN FUNDAMENTAL & CLINICAL IMMUNOLOGY**
Annecy, France - June 19-24, 1994
Co-organizer with Dr. D. Schmitt, INSERM U346 & Dr. L. Valette, Fondation Marcel Mérieux
- **EUROCONFERENCE ON AUTOIMMUNE DISEASES**
Paris, France - September 1-9, 1994
- **6TH FEBS INTERNATIONAL SUMMER SCHOOL ON IMMUNOLOGY**
The Immune System: Genes, Receptors and Regulation
Greece - September 12-15, 1994
- **EUROPEAN GROUP FOR IMMUNODEFICIENCIES**
Barcelona, Spain - October 13-16, 1994

1995

- **KEYSTONE SYMPOSIUM ON DENDRITIC CELLS**
Taos, New Mexico, USA - March 10-16, 1995
Co-organizer with Dr. R. Steinman (Rockefeller University, USA)
- **2ND EUROPEAN WINTER CONFERENCE IN IMMUNOLOGY**
"The Saint-Sorlin Workshop"
Alpes, France - April 6-9, 1995
Co-organizer with Dr. D. Fradelizi (INSERM U 283) & Pr. Droz
- **INTERNATIONAL CONFERENCE ON TUMOR MICROENVIRONMENT - PROGRESSION, THERAPY AND PREVENTION**
Tiberias, Israël - May 14-18, 1995
- **FIFTH NIKOLAS SYMPOSIUM ON THE HISTIOCYTOSES**
Delphi, Greece - May 19-22, 1995
- **9TH SYMPOSIUM ON MOLECULAR BIOLOGY OF HEMATOPOEISIS**
Genoa, Italy - June 23-27, 1995
- **9TH INTERNATIONAL CONGRESS OF IMMUNOLOGY**
San Francisco, USA - July 23-29, 1995
- **B CELLS IN NORMAL AND DISEASE STATE**
Lunteren, The Netherlands - October 14-19, 1995

1996

- **4TH INTERNATIONAL CONFERENCE ON CYTOKINES**
Florenze, Italy - March 20-22, 1996
- **B LYMPHOCYTES AND AUTOIMMUNITY**
Prague, Czech Republic - May 21-25, 1996

- **FASEB SUMMER RESEARCH CONFERENCE ON FC RECEPTORS**

Snowmass Village - July 6-11, 1996

- **4TH INTERNATIONAL WORKSHOP ON DENDRITIC CELLS**

Venice, Italy - October 5-10, 1996

1997

- **KEYSTONE SYMPOSIUM ON B LYMPHOCYTES IN HEALTH & DISEASE**

Steamboat Springs, Colorado - January 10-16, 1997

- **3RD EUROPEAN WINTER CONFERENCE IN IMMUNOLOGY**

“The Saint-Sorlin Workshop”

Alpes, France - January 17-27, 1997

- **KEYSTONE SYMPOSIUM ON CELLULAR IMMUNOLOGY AND THE IMMUNOTHERAPY OF CANCER III**

Copper Mountain, Colorado - February 1-6, 1997

- **XXVIII ANNUAL MEETING SCANDINAVIAN SOCIETY FOR IMMUNOLOGY**

Geilo, Norway - April 10-13, 1997

- **13TH EUROPEAN IMMUNOLOGY MEETING**

Amsterdam, The Netherlands - June 22-25, 1997

- **26TH MEETING OF THE INTERNATIONAL SOCIETY FOR EXPERIMENTAL HEMATOLOGY**

Cannes, France - August 24-28, 1997

- **AUSTRIAN SOCIETY FOR ALLERGOLOGY AND IMMUNOLOGY**

Innsbruck, Austria - November 12-19, 1997

- **SOCIETY FOR LEUKOCYTE BIOLOGY**

Baltimore, Maryland - December 4-7, 1997

1998

- **THE NATIONAL MANAGED HEALTH CARE CONGRESS**

“Bio/Technology Division-Dendritic Cells Conference”

Baltimore, M.D. - January 29-30, 1998

- **KEYSTONE SYMPOSIUM ON DENDRITIC CELLS**

Santa Fe, New Mexico - March 7-13, 1998

Co-organizer with Dr. Ralph Steinman and Dr. Michel Nussenzweig

- **XIII ANNUAL CONGRESS OF THE EUROPEAN ASSOCIATION OF UROLOGY SYMPOSIUM**

Barcelona, Spain - March 24, 1998

- **EURO-CANCER 98**

Paris, Cedex - June 3-5, 1998

- **CAPCURE FIFTH ANNUAL SCIENTIFIC RETREAT**

Santa Monica, CA - September 10-13, 1998

- **5TH SYMPOSIUM ON DENDRITIC CELLS IN FUNDAMENTAL AND CLINICAL IMMUNOLOGY**

Pittsburgh, Pennsylvania - September 24-28, 1998

Co-organizer with Dr. Michael Lotze, and Dr. Ralph Steinman

- **SCHERING-PLOUGH – RESPIRATORY 2000 SYMPOSIUM**

New York, NY - October 23, 1998

- **THE AMERICAN SOCIETY OF HEMATOLOGY 40TH ANNUAL MEETING**

Miami Beach, FL - December 5-8, 1998

1999

- **KEYSTONE SYMPOSIUM ON B LYMPHOCYTE BIOLOGY AND DISEASE**
Taos, NM - February 8-14, 1999
- **BIOVISION LYON, THE FIRST INTERNATIONAL LIFE SCIENCES FORUM**
Lyon, France - March 26-29, 1999
- **SECOND ANNUAL CONFERENCE ON VACCINE RESEARCH: BASIC SCIENCE –
PRODUCT DEVELOPMENT – CLINICAL AND FIELD STUDIES**
Bethesda, MD - March 28-30, 1999
- **CANCER VACCINE EXPERT PANEL MEETING**
San Jose, CA - May 21-23, 1999
- **INTERNATIONAL SYMPOSIUM ON IMMUNITY IN THE ELDERLY**
Lyon, France - June 6-9, 1999
- **VITH INTERNATIONAL CONFERENCE ON IDIOTYPES AND DISEASE**
OSLO, Norway - June 24-28, 1999
- **4TH WORLD CONGRESS ON INFLAMMATION**
Paris, France - June 27-30, 1999
- **6TH INTERNATIONAL WORKSHOP ON LANGERHANS CELLS**
New York, NY - October 8-10, 1999

2000

- **42ND ANNUAL CLINICAL CONFERENCE 52ND - ANNUAL SYMPOSIUM ON
FUNDAMENTAL CANCER RESEARCH**
Houston, TX - January 9-12, 2000
- **EXPERT MEETING AND WORKSHOP ON CLINICAL TRIALS IN DENDRITIC CELLS**
Zurich, Switzerland - February 11-12, 2000
- **AMERICAN ACADEMY OF ALLERGY, ASTHMA & IMMUNOLOGY**
San Diego, CA - March 3-8, 2000
- **AMERICAN ASSOCIATION OF IMMUNOLOGISTS**
Seattle, WA - May 12-16, 2000
Dendritic Cell Symposium Chair
- **2000 INTERNATIONAL DENDRITIC CELL MEETING**
Cains, Australia - May 26-June 1, 2000
- **SEVENTH N.A.T. MEETING**
Nantes, France - June 8-9, 2000
- **ISHAGE 2000 ANNUAL MEETING**
San Diego, CA - June 15-18, 2000
- **40TH ICAAC**
Toronto, Canada - September 17-20, 2000
- **AACR CYTOKINE MEETING**
Vail, CO - September 20-23, 2000
- **FROM THE LABORATORY TO THE CLINIC**
Oxford, UK. - Sept 23-27, 2000
- **35TH ANNUAL MEETING OF THE SOCIETY FOR LEUKOCYTE BIOLOGY**
Cambridge, MA - October 5-8, 2000
- **AMERICAN SOCIETY FOR HISTOCOMPATIBILITY AND IMMUNOGENETICS**
Orlando, FL - October 11, 2000
- **10TH ANNUAL WORKSHOP FOR THE STUDY OF INFLAMMATORY BOWEL DISEASE**
Boston, MA-November 17-18, 2000
- **AUTUMN IMMUNOLOGY CONFERENCE**
Chicago, IL-November 19-21, 2000
- **INTERNATIONAL SYMPOSIUM: INSIGHTS IN IMMUNE PATHOLOGY AND THERAPY**
Paris, France-November 30, 2000-December 1-3, 2000

2001

- **SYMPOSIUM: MECHANISMS IN CELL BIOLOGY & IMMUNOLOGY & THEIR THERAPEUTIC POTENTIAL**
Bavarian Alps, Germany - January 22-24, 2001
- **4TH ANNUAL REGIONAL CANCER CENTER CONSORTIUM FOR BIOLOGICAL THERAPY OF CANCER**
Pittsburgh, PA - February 22-24, 2001
Keynote Speaker
- **KEYSTONE SYMPOSIUM ON DENDRITIC CELLS**
Taos, NM - March 12-18, 2001
Co-organizer with R. Steinman and A. O'Garra
- **KEYSTONE SYMPOSIUM ON B CELL IMMUNOBIOLOGY AND DISEASE**
Snowbird, UT - April 17-22, 2001
- **4th ANNUAL VACCINE RESEARCH MEETING**
Arlington, VA - April 23-25, 2001
- **FEDERATION OF CLINICAL IMMUNOLOGY SOCIETY**
Boston, MA - May 4-7, 2001
- **XXVII NATIONAL CONGRESS OF IMMUNOLOGY**
Madrid, Spain - June 19-22, 2001
- **11TH INTERNATIONAL CONGRESS OF IMMUNOLOGY**
Stockholm, Sweden - July 22-28, 2001
- **8TH INTERNATIONAL SYMPOSIUM ON HEPATITIS C VIRUS AND RELATED VIRUSES**
Paris, France - September 2-5, 2001
- **7TH INTERNATIONAL WORKSHOP ON LANGERHANS CELLS**
Stresa, Italy - September 7-9, 2001
- **DC CLINICAL EXPERT MEETING**
Pinehurst, NC - October 25-28, 2001
Serve on the Advisory Committee
- **39TH ANNUAL CONGRESS OF JAPAN**
Hiroshima, Japan - November 7-9, 2001

2002

- **AMERICAN ASSOCIATION FOR CANCER RESEARCH 93RD ANNUAL MEETING**
San Francisco, CA - April 6-10, 2002
Co-Chairing the Meeting
- **THE HENRY KUNKEL SOCIETY**
Island Of Granada, West Indies - April 13-17, 2002
- **CYTOKINES AS NATURAL ADJUVANTS: PERSPECTIVES FOR VACCINE DEVELOPMENT**
Rome, Italy - April 22-24, 2002
- **AMERICAN TRANSPLANT CONGRESS**
Washington, D.C. - April 26 - May 1, 2002
- **AMERICAN SOCIETY FOR MICROBIOLOGY**
Salt Lake City, Utah - May 19-23, 2002
- **THERAPEUTIC VACCINES AGAINST HIV AND CANCERS**
Annecy, June 23-26, 2002
- **INTERNATIONAL CONGRESS OF DERMATOLOGY**
PARIS, FRANCE, JULY1-4, 2002
- **NOVARTIS FOUNDATION SYMPOSIUM, REGULATORY T CELLS**
London, July 9-11, 2002

- **XIX INTERNATIONAL CONGRESS OF THE TRANSPLANTATION SOCIETY**
Miami, August 25-30, 2002
- **7TH INTERNATIONAL SYMPOSIUM ON DENDRITIC CELLS**
Serve on the International Organizing Committee
Bamberg, Germany - September 19-24, 2002
- **AACR , FRONTIERS IN CANCER PREVENTION RESEARCH**
Boston, October 14-18, 2002
- **NOVARTIS FOUNDATION SYMPOSIUM, CANCER AND INFLAMMATION**
London, November 11-14, 2002
- **JAPANESE SOCIETY FOR IMMUNOLOGY**
Tokyo, December 4-6, 2002

2003

- **2ND ANNUAL IMMUNOLOGY COLLOQUIUM**
Tampa, FL, January 21, 2003
- **EBV AND HPV: ORAL INFECTION, PERSISTENCE, AND PATHOGENESIS**
Galveston, TX, February 13-16, 2003
- **KEYSTONE SYMPOSIUM ON BASIC ASPECTS OF TUMOR IMMUNOLOGY**
Keystone, CO, February 17-23, 2003
- **KEYSTONE SYMPOSIUM ON DENDRITIC CELLS**
Steamboat Springs, Colorado - March 3-9, 2003
Co-organizer with R. Steinman and A. O'Garra
- **AMERICAN ASSOCIATION OF IMMUNOLOGISTS**
Denver, CO, May 6-10, 2003
Chairing the Meeting
- **FEDERATION OF CLINICAL IMMUNOLOGY SOCIETY MEETING**
Paris, France, May 15-19, 2003
- **CANVAC MEETING**
Ste-Adele, Quebec, June 5-8, 2003
- **4TH INTERNATIONAL EXPERT MEETING**
Amsterdam, Netherlands, June 13-16, 2003
Serve on the Advisory Committee
- **34TH ANNUAL MEETING SCANDINAVIAN SOCIETY FOR IMMUNOL.**
Reykjavik, Iceland, August 24-27, 2003
- **THE 8TH INTERNATIONAL WORKSHOP ON LCS**
Tokyo, Japan, September 5-7, 2003
- **DCS: BIOLOGY & THERAPEUTIC APPLICATIONS**
Madrid, Spain, October 6-8, 2003
- **INTERNATIONAL SOCIETY FOR BIOLOGICAL THERAPY OF CANCER, INC.**
Bethesda, MD, October 30-November 2, 2003
Serve as Co-Chair

2004

- **AMERICAN ACADEMY OF DERMATOLOGY**
Washington, DC, February 10, 2004
- **89TH INTERNATIONAL TITISEE CONFERENCE**
Titisee/Black Forest, Germany, March 17-21, 2004
- **INTERNATIONAL MEETING ON CANCER VACCINES**
Rome, Italy, April 19-21, 2004
- **BIOGEN IDEC RESEARCH**
Manchester, Vermont, May 3-5, 2004

- **12TH INTERNATIONAL CONGRESS OF IMMUNOLOGY: 4TH ANNUAL CONFERENCE OF THE FEDERATION OF CLINICAL IMMUNOLOGY SOCIETIES**
Montreal, Canada, July 18-23, 2004
Serve as Chair
- **AAI ADV. IMMUNOL. COURSE**
Stanford, CA, August 14-21, 2004
- **2004 GORDON RESEARCH CONFERENCE ON CHEMOTACTIC CYTOKINES**
Aussois, France, September 19-24, 2004
- **EUROCONFERENCE**
Paris, France, October 7-8, 2004
- **8TH INTERNATIONAL SYMPOSIUM ON DENDRITIC CELLS**
Brugge, Belgium, October 17-21, 2004
- **JAPANESE IMMUNOLOGY**
Japan, December 2004

2005

- **KEYSTONE SYMPOSIA 2005 DENDRITIC CELLS**
Vancouver, Canada, February 1-7, 2005
Organizer with A. O'Garra and A. Sher
- **CENTOCOR**
St. Louis, MO, May 4, 2005
- **THIRD ANNUAL ABBOTT SCHOLAR AWARD RETREAT**
Phoenix, AZ
- **AMERICAN SOCIETY OF GENE THERAPY**
St. Louis, MO, June 1-2, 2005
- **13 SPORE WORKSHOP**
Washington, DC, July 9-12, 2005
- **TRANSLATIONAL IMMUNOLOGY RELATED TO CANCER CONFERENCE**
Bethesda, MD, September 22-23, 2005
- **THE AEGEAN CONFERENCE**
Island of Rhodes, Greece, October 9-14, 2005
- **FRENCH SOCIETY OF IMMUNOLOGY**
Toulouse, France, November 15-18, 2005
- **DUTCH SOCIETY FOR IMMUNOLOGY**
The Netherlands, December 8-9, 2005

2006

- **KEYSTONE SYMPOSIA 2006 DETERMINANTS OF HOST RESISTANCE, SUSCEPTIBILITY OR IMMUNOPATHOLOGY TO PATHOGENS: INTEGRATING KNOWLEDGE EXPERIMENTAL MODELS TO HUMAN DISEASE**
Keystone CO, January 6-11, 2006
- **INTERNATIONAL CANCER VACCINE SYMPOSIUM**
Washington, DC, February 5-7, 2006
- **AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE**
St. Louis, MO, February 16-20, 2006
- **KEYSTONE SYMPOSIA 2006 HIV VACCINES**
Keystone CO, March 27-April 2, 2006
- **AMERICAN ASSOCIATION IMMUNOLOGY MEETING**
Boston, MA, May 12-16, 2006
- **FRENCH CANCER SOCIETY-THERAPEUTIC INNOVATION IN ONCOLOGY**
Bordeaux, France, May 18-19, 2006

- **FEDERATION OF CLINICAL IMMUNOLOGY SOCIETY MEETING**
San Francisco, CA, June 1-5, 2006
- **9th INTERNATIONAL CONFERENCE ON DENDRITIC CELLS, DC2006**
Edinburgh, Scotland, September 16-20, 2006
Opening Keynote Address
- **INTERNATIONAL SOCIETY FOR BIOLOGICAL THERAPY OF CANCER**
Los Angeles, CA, October 26-29, 2006

2007

- **KEYSTONE SYMPOSIA 2007 IMMUNOLOGICAL INTERVENTION IN HUMAN DISEASE**
Big Sky, MT, January 6-11, 2007
Organizing with Federica Sallusto, and Robert L. Coffman
- **BRITISH SOCIETY OF IMMUNOLOGY ANNUAL CONGRESS 2007**
Glasgow, United Kingdom, February 20-23, 2007
- **KEYSTONE SYMPOSIA 2007 INTRACELLULAR AND INTERCELLULAR SIGNALING IN DENDRITIC CELL FUNCTION**
Keystone, Colorado, February 25-Mar 2, 2007
Keynote Address
- **DEATH, DANGER AND IMMUNITY CONFERENCE**
Paris, France, March 2007
- **KEYSTONE SYMPOSIA 2007 THE POTENT NEW ANTI-TUMOR IMMUNOTHERAPIES**
Alberta, Canada, March 28-April 2, 2007
- **THE 8TH INTERNATIONAL CONGRESS ON SLE**
Shanghai, China, May 16-20, 2007
- **NEW FRONTIERS IN CANCER IMMUNOTHERAPY**
Annecy, France, July 9 2007
Keynote Address
- **DC2007 MEETING**
Bamberg, Germany, July 16-18, 2007
Keynote Address
- **13TH INTERNATIONAL CONGRESS OF IMMUNOLOGY**
Rio de Janeiro, Brazil, August 21-25, 2007
- **SECOND ANNUAL CHAVI INTERNATIONAL MEETING**
Durham, NC, September 30–October 3, 2007
- **CLUB FRANCOPHONE DES CELLULES DENDRITIQUES (CFCD)**
Paris, France, December 12-13, 2007

2008

- **1st INTERNATIONAL IMMUNOLOGY SYMPOSIUM**
Biopolis, Singapore, January 14 -16, 2008
- **KEYSTONE SYMPOSIA-BIOMARKER DISCOVERY, VALIDATION AND APPLICATIONS**
Tahoe City, Ca, February 3-8, 2008
- **FOCIS: CANCER & TRANSPLANTATION**
Boston, MA, June 5-9, 2008
Organizing Chairman Committee
- **KOBE, JAPAN**
Kobe Japan, October 1-5, 2008
- **BERNARD HALPERN SYMPOSIUM OF IMMUNOLOGY**
College de France, Paris, France, October 9 – 10, 2008

PhD DIRECTION

1987

●Jean-Yves BONNEFOY

The low affinity receptor for IgE on human B lymphocytes: detection, biochemical characterization and regulation

1989

●Francine BRIERE

Régulation de la synthèse des Immunoglobulines A *in vitro*

●Isabelle CHRETIEN

Contribution à l'étude de l'IgE humaine: interaction avec ses récepteurs; régulation de sa synthèse *in vitro*

●Marie-Claude DENOROY

Production de cytokines par les cellules B humaines

●Xavier PALIARD

Modalités de sécrétion de l'Interleukine 4 et effets de l'Interleukine 4 sur les lymphocytes T humains *in vitro*

1990

●Jean-Pierre AUBRY-LACHAINAYE

Etude par cytométrie en flux de l'activation et la prolifération des lymphocytes B humains

●Catherine FAVRE

Cytokines impliquées dans l'ontogénèse des basophiles et des éosinophiles humains

●Alain VALLE

Etude des antigènes CD40 et 104/B7/BB1 des lymphocytes B humains

1991

●Caroline ZUBER

Contribution à l'étude du récepteur de l'interleukine 4 : structure, expression et régulation par son ligand sur les lymphocytes humains

1992

●Christophe CAUX

Etude du rôle du TNF alpha sur la régulation de la myélopoïèse humaine

in vitro

●Sem SAELAND

Caractérisation et physiologie *in vitro* des cellules hématopoïétiques humaines exprimant l'antigène CD34

1993

●Isabelle MOREAU

Etude du rôle des cellules stromales de la moelle osseuse humaine dans le soutien de l'hématopoïèse *in vitro*

●Dominique PANDRAU

Etude de la prolifération et de la différenciation *in vitro* des précurseurs leucémiques lymphoïdes B de l'enfant

1994

●Anne-Catherine FLUCKIGER

Role de l'IL-4 et de l'IL-10 dans la maturation in vitro des cellules B de leucémies lymphoïdes chroniques

1995

•Pascale CHOMARAT

Contribution à l'étude des cytokines impliquées dans la polyarthrite rhumatoïde et leur régulation par l'IL-4 et l'IL-10

•Julie DECHANET

Régulation de la production des cytokines et de la différenciation plasmocytaire dans la synoviale rhumatoïde

•Patrice HERMANN

Recherche du ligand du CD40 - Etude du rôle de son interaction avec le CD40 dans la réponse lymphocytaire B

•Christine SERVET-DELPAT

Rôle du CD40 et des cytokines dans la régulation de la production des sous-classes d'IgG humaines, in vitro

1996

•Nicolas BURDIN

Rôle des cytokines endogènes dans la prolifération et la différenciation des lymphocytes B humains

•Laurent GALIBERT

Etude des signaux impliqués dans la maturation des lymphocytes B humains d'amygdales

•Florence MALISAN

Etude moléculaire et cellulaire de la commutation isotypique des lymphocytes B humains in vivo et in vitro

•Nathalie RENARD

Etude in vitro du rôle des lymphocytes T sur la lymphopoïèse B humaine

•Geraldine GROUARD

Analyse des populations de cellules dendritiques des amygdales

•Genevieve MEFFRE

Différences phénotypiques et fonctionnelles des sous-populations de lymphocytes B d'amygdales

1997

•Pierre GARRONE

Rôle des molécules CD40 ET CD95 dans la maturation des lymphocytes B humains

•Christophe ARPIN

Production et caractérisation de plasmocytes et lymphocytes B A mémoire humains

•Pierre MERVILLE

Différenciation plasmocytaire et micro-environnements tissulaires

1998

•Stéphane DENÉPOUX

Induction de mutations somatiques des gènes d'immunoglobuline dans les lymphocytes B humains *in vitro*

2002

•Cécile CHALOUNI

Apport de la microscopie confocale à l'étude des lymphocytes B humains

2007

• Florence ALLANTAZ

• Eynav KLECHEVSKY

POST-DOCTORAL RESEARCH FELLOWS

Jerôme PÈNE, PH.D.

Post-Doctoral Fellow

Paolo DE PAOLI, M.D.
Post-Doctoral Fellow

Cees VAN KOOTEN, PH.D.
Post-Doctoral Fellow

Pia BJORCK, PH.D.
Post-Doctoral Fellow

Leopoldo FLORES-ROMO, PH.D.
Post-Doctoral Fellow

Christine MENETRIVER-CAUX, PH.D.
Post-Doctoral Fellow

Diane RAZANAJAONA, PH.D.
Post-Doctoral Fellow

Vincenzo VISCO, M.D.
Post-Doctoral Fellow

Elizabeth BATES, PH.D.
Post-Doctoral Fellow

Isabelle FUGIER-VIVIER, PH.D.
Post-Doctoral Fellow

Diana BELL, M.D.
Post-Doctoral Fellow

Pascale CHOMARAT, PH.D.
Post-Doctoral Fellow

Mahyar NOURI-SHIRAZI, PH.D.
Post-Doctoral Fellow

Frederic BERARD, M.D.
Post-Doctoral Fellow

Eve-Marie NEIDHART-BERARD, M.D.
Post-Doctoral Fellow

Patrick BLANCO, M.D.
Post-Doctoral Fellow

Gaetan JEGO, PH.D.
Post-Doctoral Fellow

Sophie PACZESNY, M.D.
Post-Doctoral Fellow

Beatrice LAUPEZE, PH.D.
Post-Doctoral Fellow

Alexis MATHIAN, M.D.
Post-Doctoral Fellow

Bernard PIQUERAS, M.D.
Post-Doctoral Fellow

Hiroaki SAITO, M.D.
Post-Doctoral Fellow

Hongzhen SHI, MD, PH.D.
Post-Doctoral Fellow

Hideki UENO, M.D.
Post-Doctoral Fellow

Bo WU, MD, PH.D.
Post-Doctoral Fellow

Peter DUBSKY, M.D.
Post-Doctoral Fellow

Isabelle DING, M.D.

Post-Doctoral Fellow
Toshimichi MATSUI, M.D., PH.D.

Post-Doctoral Fellow
Caroline ASPORD, PH.D.

Post-Doctoral Fellow
Luis VENCE, PH.D.

Post-Doctoral Fellow
Barbara VEGA, PH.D.

Post-Doctoral Fellow
Davor FRLETA, PH.D.

Post-Doctoral Fellow
Tiziana DIPUCCHIO, PH.D.

Post-Doctoral Fellow
Tinghua CAO, PH.D.

Post-Doctoral Fellow
Rimpei MORITA, M.D., PH.D.

Post-Doctoral Fellow
Luis VENCE, PH.D.

Post-Doctoral Fellow
Greg GAUTIER, PH.D.

Post-Doctoral Fellow
Lorant FARKAS, M.D.

Post-Doctoral Fellow
Eiji AKAGAWA, PH.D.

Post-Doctoral Fellow
Melissa DULLAERS, PH.D.

Post-Doctoral Fellow
Nathalie SCHMITT, PH.D.

Post-Doctoral Fellow
Dapeng LI, M.D., PH.D.

Post-Doctoral Fellow
Gerlinde OBERMOSER, M.D.

Post-Doctoral Fellow
Gina S. GARCIA, PH.D.

Post-Doctoral Fellow
Alexander PEDROZA, PH.D.

Post-Doctoral Fellow

BOARD MEMBERSHIP

CORPORATIONS

APC CELL, INC. - MENLO PARK, CA

Former Member of the Board of Directors

MERIX BIOSCIENCE, INC. - RESEARCH TRIANGLE PARK, NC

Former Member of the Scientific Advisory Board, Consultant.

IDM, SA - PARIS, FRANCE

Former Member of the Scientific Advisory Board

ODC THERAPY INC.

Founder, Chairman of the Scientific Advisory Board

ACADEMIC INSTITUTIONS

CANVAC - MONTREAL, QUEBEC

Member of Scientific Advisory Board

NATIONAL FOUNDATION FOR INFECTIOUS DISEASES - BETHESDA, MD

Member of the Scientific Program Committee

REGIONAL PRIMATE RESEARCH CENTER AT THE UNIVERSITY OF WASHINGTON - WASHINGTON, SEATTLE

Former Member of the Scientific Advisory Board

GRANTS, CONTRACTS AND AWARDS

PAST:

Dendritic Cell Subpopulations in Prostate Cancer

Capcure

01/98 - 12/98

Annual Support: \$100,000

Principal Investigator

Dendritic Cell Immunotherapy of Metastatic Melanoma, a Phase I Trial

Ligue Nationale Contre Le Cancer

06/98 – 06/99

Annual Support: \$48,286

Principal Investigator

Generation of Prostate Carcinoma Specific Human T Cell Lines and Clones Using Dendritic Cells

Capcure

01/99 - 12/99

Annual Support: \$100,000

Principal Investigator

Dendritic Cell Immunotherapy of Metastatic Melanoma - A Phase I Trial

Cancer Research Institute

04/98 - 03/00

Annual Support: \$74,990

Co-investigator

Transplant Immunology

Baylor University Medical Center Foundation

07/98-06/00

Annual Support: \$500,000

Program Director

Dendritic Cell Immunotherapy of Metastatic Melanoma, a Phase I Trial

Ligue Nationale Contre Le Cancer

07/99 – 06/00

Annual Support: \$24,000

Principal Investigator

Induction of prostate cancer-specific CD8 T cells with cell body-loaded DC

Capcure

01/00 - 12/00

Annual Support: \$100,000

Principal Investigator

Novel Genes in Histiocytosis

Histiocytosis Association of America

01/00-12/01

Annual Support: \$30,000

Principal Investigator

The Select-Vaccine™: In vivo Targeting of Dendritic Cell Subsets to induce Protective Anti-Microbial Immunity

DARPA

06/29/01 – 06/28/03

Annual Support: \$1,078,045

Principal Investigator

Immunity to Melanoma via Dendritic Cells

NIH PO1 CA84512-01

08/01/00-07/31/04

Co-Director

Project 2

Diversification of Melanoma Immunity via Dendritic Cells

08/01/00-07/31/04

Total Support: \$1,151,292

Co-Investigator

Project 3

Induction of Melanoma Immunity by Dendritic Cell Subsets

08/01/00-07/31/04

Total Support: \$1,372,062

Principal Investigator

Administrative Core

Dates: 08/01/00-07/31/04

Total Support: \$190,935

Co-Principal Investigator

Transduction of dendritic cells with ALVAC vectors.

Aventis-Pasteur

07/01/00-06/30/04

Total Support: \$360,000

Principal Investigator

Human and Mouse Monoclonal Antibodies to Treat Systemic Lupus

ALR

03/01/03-02/28/05

Total support: \$500,000

Principal Investigator

Dendritic cells, Heat Shock Proteins, and Tumor Immunity.

NIH 1R01 CA85540-01

03/01/01-2/28/05

Total support: \$1,002,640

Principal Investigator

Dendritic Cell Vaccine in Metastatic Prostate Cancer

NIH 1 R21CA091556-01

Dates: 03/05 (Extension at no cost)

Total Support: \$679,500

Principal Investigator

New Predictors of SLE Disease Activity

ALR

03/01/04 – 02/28/06

Co-Principal Investigator; Principal Investigator: V. Pascual

Protection of SCID mice reconstituted with human antigen presenting cells through activation of innate immunity.

DANA FOUNDATION

11/01/01-10/31/06

Total support: \$500,000

Principal Investigator

Monoclonal Antibodies Neutralizing Interferon Alpha to Treat SLE

ALR

03/01/05 – 02/28/07

Co-Principal Investigator; Principal Investigator: C. Nicolette

ACTIVE:

Altered CD8+ T cell compartment in SLE patients

AI 068842-01

Total Direct Support: \$1,250,000

03/01/06 – 02/28/11

Principal Investigator

Human Dendritic Cells and In vivo Immunity to Biothreat, as Cooperative Center for Translational Research on Human Immunology and Biodefense.

NIH 1 U19 AI057234-01

04/01/04 – 03/31/10

Total Direct Support: \$12,356, 144

Principal Investigator

Subpopulations of Human Dendritic Cells

NIH 2 R01 CA0-78846-06

04/01/99 – 03/31/09

Total support: \$1,012,500

Principal Investigator

New Predictors of SLE Disease Activity

ALR

04/01/06 – 03/31/08

Total Direct Support: \$500,000

Co-Principal Investigator; Principal Investigator: V. Pascual

Improving the Efficacy of Dendritic Cell Vaccines

NIH 2 P01CA084512

Total Direct Support: \$1,923,077

06/01/06 – 05/31/09

Principal Investigator

Center for Lupus Research

AR054083-01

Total Direct Support: \$4,769,316

07/01/06 - 06/30/11

Co-Principal Investigator; Principal Investigator: V.Pascual

CHAVI

07/06 – 06/10

Total Direct Support: \$455,624

Principal Investigator

ANRS

Agence National de Recherches Sur Le SIDA Developing Effective Therapeutic and Preventive HIV Vaccines

07/07 – 6/03

Total Direct Support: \$4,629,464

Principal Investigator

IRB PROTOCOLS

PAST PROTOCOLS:

●IRB: #097-053

Title: Mobilization and recovery of CD34+ hematopoietic progenitors from normal volunteers for the *in vitro* generation of dendritic cells.

PI: Joseph Fay

Co-Investigators: Jacques Banchereau, Laura Rodriguez, Marvin Stone, et al.

Approved dates: 6/18/98 – 6/20/99

●IRB: #097-059

Title: Dendritic cell isolation and classification in liver-transplant recipients

PI: Jacques Banchereau

Co-Investigators: Marlon Levy, Goran Klintmalm, Bo Husberg, et al.

Approved dates: 7/16/98 – 7/18/99

●IRB: #097-074

Title: Dendritic cell subpopulations in cancer patients

PI: Jacques Banchereau

Co-Investigators: Diana Bell, Pascale Chomarat, Tyler Curiel, et al.

Approved: 12/18/99 – 9/21/99

●IRB: #097-079

Title: Isolation of CD34+ hematopoietic progenitor cells from cord blood

PI: Jacques Banchereau

Co-Investigators: Allen Stringer

Approved: 10/15/98 – 10/18/99

●IRB: #097-027

Title: Small volume peripheral blood draw of normal volunteers.

PI: Jacques Banchereau

Co-Investigators: Tyler Curiel and Laura Rodriguez

Approved dates: 3/18/99 – 3/18/00

●IRB: #099-025

Title: Macrophages and Immunity

PI: Tyler Curiel

Co-Investigators: Jacques Banchereau, Karolina Palucka, Weiping Zou, Alan Gordon, Jozef Borvak, and Florentina Marches

Approved dates: 3/18/99 – 3/18/00

●IRB: #098-023

Title: Dendritic cell-induced HIV-specific cellular immunity

PI: Tyler Curiel and Jacques Banchereau

Co-Investigators: Jozef Borvak, Luis Pineiro, and Joseph Fay

Approved dates: 4/15/99 – 4/20/00

●IRB: #099-076

Title: In Vitro Studies on DC Biology in Healthy Volunteers

PI: Karolina Palucka

Co-Investigators: Jacques Banchereau, Joseph Fay, and Luis Piniero

Approved dates: 3/17/99 – 8/21/00

●IRB: #000-048 – IND: #9409

Title: Mature dendritic cell immunotherapy of metastatic melanoma – A phase I trial

PI: Joseph Fay

Co-Investigators: Jacques Banchereau, Anna Karolina Palucka, Luis Pineiro, Edward Agura, Marvin Stone, Estil Vance, and Dania Caron

●IRB: #099-077

Title: G-CSF & GM-CSF as Vaccine Adjuvants in Healthy Volunteers

PI: Jacques Banchereau

Co-Investigators: Karolina Palucka, Bali Pulendran, and Joseph Fay

●IRB: #098-004 – NCI: #T98-0054 – IND: # 7885

Title: Dendritic cell immunotherapy of metastatic melanoma – phase I trial

PI: Joseph Fay

Co-Investigators: Jacques Banchereau, Tyler Curiel, and Karolina Palucka

ACTIVE PROTOCOLS:

●IRB: #099-015

Title: Baylor Tissue Bank & Fresh Tissue Procurement

PI: George Netto

Co-Investigators: Peter Dysert, Marvin Stone, Jacques Banchereau, Daniel Savino, and John Fordtran

●IRB: 000-093 – IND: #9261

Immune and clinical responses to dendritic cells loaded with killed tumor cells in prostate cancer – A phase I/II trial

PI: Joseph Fay

Co-Investigators: Jacques Banchereau, Anna Karolina Palucka, and Luis Pineiro

●IRB: 002-094 – IND: #10649

GM+IL4-Monocyte-derived DCs + allogeneic cell bodies. Vaccination of patients with Stage IV melanoma with dendritic cells generated ex vivo from Monocytes loaded with killed allogeneic melanoma cells – A Phase I/II Trial.

PI: Joseph W. Fay, M.D.

Co-Investigators: Jacques Banchereau and Anna Karolina Palucka. Associate Invest.: Luis Pineiro

●IRB: 003-187 - IND #11259

Vaccination of Patients with Stage IV Melanoma with Dendritic Cells Generated ex vivo from Monocytes Loaded with Melanoma Peptides – A Phase I Trial.

PI: Joseph W. Fay, MD

Co Investigators: Jacques Banchereau, Anna Karolina Palucka. Luis Pineiro

●IRB: #002-094 – IND: #16949

Vaccination of patients with stage IV melanoma with dendritic cells generated ex vivo from monocytes loaded with killed allogeneic melanoma cells – A phase I/II trial

PI: Joseph Fay

Co-Investigators: Jacques Banchereau, Anna Karolina Palucka, and Luis Pineiro

●IRB: #003-187 – IND: #11259

Vaccination of patients with stage IV melanoma with dendritic cells generated ex vivo from monocytes loaded with melanoma peptides – A phase I trial

PI: Joseph Fay

Co-Investigators: Jacques Banchereau, Anna Karolina Palucka, and Luis Pineiro

●IRB #005-065 - BB-IND #12339

Vaccination of patients with Stage IV melanoma with dendritic cells generated ex vivo from monocytes and loaded with heat-treated killed allogeneic melanoma cells – a phase I/II trial.

PI: John Nemunaitis, MD

Scientific Co-Investigators: Anna Karolina Palucka, MD, PhD, Jacques Banchereau, PhD

Clinical Co-Investigators: Jeff Weber, MD, Joseph W. Fay, MD, Luis Pineiro, MD

Immunomonitoring: Hideki Ueno, MD, PhD, John Connolly, PhD

Associate Investigators: Neil N. Senzer, MD, Gerald Edelman, MD, PhD, Charles C. Cunningham, MD

Approved dates: 05/11/05 – 02/14/08

●IRB #097-053

Title: Mobilization and Recovery of CD34+ Hematopoietic Progenitors from Normal Volunteers for the In Vitro Generation of Dendritic Cells

PI: Joseph Fay

Co-Investigators: Jacques Banchereau, Karolina Palucka, Luis Pineiro

Approved dates: 06/30/97 - 12/06/07

●IRB #003-187 - BB-IND #11259

Title: Vaccination of patients with Stage IV Melanoma with Dendritic Cells Loaded with Melanoma Peptides - A Phase I Trial

PI: Joseph W. Fay, MD

Associate Investigators: Anna Karolina Palucka, MD, PhD, Jacques Banchereau, PhD, Luis Pineiro, MD

Approved Dates:

●IRB #006-123 - BB-IND #13386

Title: Melanoma Peptide-Loaded Dendritic Cell Vaccine in HLA-A201 Patients with Stage IV

Melanoma: A Phase I/II Randomized Trial to Compare Vaccination with and Without Cyclophosphamide Treatment

PI: Joseph W. Fay, MD

Scientific Investigators: Anna Karolina Palucka, MD, PhD, Jacques Banchereau, PhD

Clinical Investigators: Luis Pineiro, MD

Immunomonitoring: Hideki Ueno, MD, PhD

Vaccine Production: Lee Roberts, PhD

IND Holder/Sponsor Representative: Anna Karolina Palucka, MD, PhD

Approved Dates: 06/27/06 - 05/16/08

●IRB #007-082 - BB-IND Pending

Title: A Phase I/II Study of Intratumoral Dendritic Cell Vaccination Combined with Local Radiotherapy in Patients with Recurrent Lymphoma

PI: Wenru Song, MD, PhD

Scientific Investigators: Anna Karolina Palucka, MD, PhD, Jacques Banchereau, PhD

Clinical Investigator: Joseph W. Fay, MD

Approved Dates: 05/14/07 - 04/18/08

ORIGINAL PUBLICATIONS

Fourth Most cited immunologist worldwide 1992-2002; Third most cited immunologist worldwide 1993-2003. (In parenthesis: TC means number of citations.)

1. **Banchereau, J.**, Danois, D., Guenounou, M., Durand, G., and Agneray, J. (1978). Culture de cellules spléniques de souris en microméthode dans un milieu sans serum. Biologie Prospective. 4, 202-205.
2. Danois, D., **Banchereau, J.**, Guenounou, M., and Agneray, J. (1979). Effet immunosupresseur induit par le periodate de sodium sur les cellules spléniques de souris: inhibition de cet effet par le borohydrure de sodium. C.R. Acad. Sci. (Paris). 288, *série D*, 1631-1633.
3. **Banchereau, J.**, Danois, D., Guenounou, M., Durand, G., and Agneray, J. (1980). Action du periodate à concentration mitogène sur les glycoconjugués de membrane de lymphocytes humains. C.R. Acad. Sci. (Paris). 290, *série D*, 191-194.

- 4 **Banchereau, J.**, Danois, D., Guenounou, M., Durand, G., and Agneray, J. (1981). Periodate induced transformation of human peripheral blood lymphocytes and the resultant oxidation of membrane sialyl, galactosyl, and fucosyl residues. Biochem. Biophys. Acta. 678, 98-105.
- 5 **Banchereau, J.**, Haimart, M., and Torlotin, J. C. (1981). Evolution des titres d'anticorps antistreptococciques chez les enfants agés de 0 à 10 ans. Ann. Pharm. Biol. Clin. 1, 256-259.
- 6 Danois, D., **Banchereau, J.**, Guenounou, M., and Agneray, J. (1981). Inhibition by sodium periodate of the antibody response in cultured mouse spleen cells and its reversal by blocking aldehyde reagents. Cell. Immunol. 59, 10-16.
- 7 Haimart, M., **Banchereau, J.**, and Torlotin, J. C. (1981). Dosage immunoenzymofluorimétrique de la gentamycine. Ann. Pharm. Biol. Clin. 1, 256-259.
- 8 **Banchereau, J.**, Dubos, M., Agneray, J., and Drouet, J. (1982). A direct evidence for the early membrane desialylation in cobalt-irradiated mouse lymphocytes. Biochem. Biophys. Res. Comm. 104, 512-516.
- 9 Le Thi Bich, T., **Banchereau, J.**, and Revillard, J. P. (1984). Suppression of polyclonal human B cell activation by IgG binding factors : interference with the maturation of Ig-containing cells into Ig-secreting cells. Cell Immunol. 87, 231-239.
- 10 Bonnefoy, J. Y., **Banchereau, J.**, Aubry, J. P., and Wijdenes, J. (1986). A flow cytometric micromethod for the detection of Fcε receptors and IgE binding factors using fluorescent microspheres. J. Immunol. Methods 88, 25-32.
- 11 Defrance, T., Aubry, J. P., Vanbervliet, B., and **Banchereau, J.** (1986). Human interferon-γ acts as a B cell growth factor in the anti-IgM antibody co-stimulatory assay but has no direct B cell differentiation activity. J. Immunol. 137, 3861-3867. (TC:83)
- 12 Roncarolo, M. G., Touraine, J. L., and **Banchereau, J.** (1986). Cooperation between major histocompatibility complex mismatched mononuclear cells from a human chimera in the production of antigen-specific antibody. J. Clin. Invest. 77, 673-680. (TC:39)
- 13 Yokota, T., Otsuka, T., Mosmann, T., **Banchereau, J.**, Defrance, T., Blanchard, D., de Vries, J. E., Lee, F., and Arai, K. (1986). Isolation and characterization of a human interleukin cDNA clone, homologous to mouse B-cell stimulatory factor 1, that expresses B-cell-stimulatory activities. Proc. Natl. Acad. Sci. USA 83, 5894-5898. (TC:550)
- 14 Bonnefoy, J. Y., Aubry, J. P., Péronne, C., Wijdenes, J., and **Banchereau, J.** (1987). Production and characterization of a monoclonal antibody specific for the human lymphocyte low affinity receptor for IgE : CD23 is a low affinity receptor for IgE. J. Immunol. 138, 2970-2978. (TC:195)
- 15 Cabrillat, H., Galizzi, J. P., Djossou, O., Arai, N., Yokota, T., Arai, K., and **Banchereau, J.** (1987). High affinity binding of human interleukin 4 to cell lines. Biochem. Biophys. Res. Commun. 149, 995-1001. (TC:73)
- 16 Calender, A., Billaud, M., Aubry, J. P., **Banchereau, J.**, Vuillaume, M., and Lenoir, G. M. (1987). Epstein-Barr virus (EBV) can turn on B-cell activation markers upon in-vitro infection of EBV-genome-negative B-lymphoma cells. Proc. Natl. Acad. Sci. USA. 84, 8060-8064. (TC:216)

- 17 Cohen, J. H. M., Aubry, J. P., Jouvin, M. H., **Banchereau, J.**, Kazatchkine, M., and Revillard, J. P. (1987). Enumeration of CR1 complement receptors on erythrocytes using a new method for detecting low density cell surface antigens by flow cytometry. J. Immunol. Methods. 99, 53-58.
- 18 Defrance, T., Aubry, J. P., Rousset, F., Vanbervliet, B., Bonnefoy, J. Y., Arai, N., Takebe, Y., Yokota, T., Lee, F., Arai, K., de Vries, J., and **Banchereau, J.** (1987). Human recombinant interleukin 4 induces Fcε receptors (CD23) on normal human B lymphocytes. J. Exp. Med. 165, 1459-1467. (TC:523)
- 19 Defrance, T., Vanbervliet, B., Aubry, J. P., Takebe, Y., Arai, N., Miyajima, A., Yokota, T., Lee, T., Arai, K., de Vries, J. E., and **Banchereau, J.** (1987). B cell growth-promoting activity of recombinant human interleukin-4. J. Immunol. 139, 1135-1141. (TC:325)
- 20 Melin, M., Saeland, S., Magloire, H., Hartmann, D. J., Guerret, S., Blanchard, D., **Banchereau, J.**, and Grimaud, J. A. (1987). Supernatant from an activated human CD4+ T-cell clone modulates the proliferation and collagen synthesis of human dental pulp fibroblasts. Collagen Rel. Res. 7, 371-381.
- 21 Shields, J. G., Smith, S. H., Levinsky, R. J., Defrance, T., de Vries, J. E., **Banchereau, J.**, and Callard, C. E. (1987). The response of selected human B cell lines to B cell growth and differentiation factors. Eur. J. Immunol. 17, 535-540.
- 22 Spits, H., Yssel, H., Takebe, Y., Arai, N., Yokota, T., Lee, F., Arai, K., **Banchereau, J.**, and de Vries, J. E. (1987). Recombinant interleukin-4 promotes the growth of human T cells. J. Immunol. 139, 1142-1147. (TC:325)
- 23 Yokota, T., Coffman, R. L., Hagiwara, H., Rennick, D. H., Takebe, Y., Yokota, K., Gemmel, L., Shrader, B., Yang, G., Meyerson, P., Luch, J., Hoy, P., Pène, J., Brière, F., Spits, H., **Banchereau, J.**, de Vries, J. E., Lee, F., Arai, N., and Arai, K. I. (1987). Isolation and characterization of lymphokine cDNA clones encoding mouse and human IgA enhancing factor and eosinophil colony-stimulating factor activities: relationship to interleukin 5. Proc. Natl. Acad. Sci. 84, 7388-7392. (TC:253)
- 24 Bonnefoy, J. Y., Defrance, T., Péronne, P., Ménétrier, C., Rousset, F., Pène, J., de Vries, J. E., and **Banchereau, J.** (1988). Human recombinant IL-4 induces normal B cells to produce soluble CD23/IgE binding factor analogous to that spontaneously released by lymphoblastoid B cell lines. Eur. J. Immunol. 18, 117-122. (TC:72)
- 25 Bonnefoy, J. Y., Guillot, O., Spits, H., Blanchard, D., Ishizaka, K., and **Banchereau, J.** (1988). The low-affinity receptor for IgE (CD23) on B lymphocytes is spatially associated with HLA-DR antigens. J. Exp. Med. 167, 57-72. (TC:123)
- 26 Chrétien, I., Helm, B. A., Marsh, P. J., Padlan, E. A., Wijdenes, J., and **Banchereau, J.** (1988). A monoclonal anti-IgE antibody against an epitope (amino acids 367-376) in the CH3 domain inhibits IgE binding to the low affinity IgE receptor (CD23). J. Immunol. 141, 3128-3134. (TC:49)
- 27 Cohen, J. H. M., Aubry, J. P., **Banchereau, J.**, and Revillard, J. P. (1988). Identification of cell subpopulations by dual color surface immunofluorescence using one biotinylated and one unlabelled monoclonal antibodies. Cytometry 9, 303-308.

- 28 Cohen, J. H. M., Autran, B., Jouvin, M. H., Aubry, J. P., Rozenbaum, W., **Banchereau, J.**, Debré, P., Revillard, J. P., and Kazatchkine, M. (1988). Diminution des récepteurs érythrocytaires pour le fragment C3b du complément dans le syndrome d'immunodéficience acquise. La Presse Médicale *15*, 727.
- 29 Defrance, T., Vanbervliet, B., Aubry, J. P., and **Banchereau, J.** (1988). Interleukin 4 inhibits the proliferation but not the differentiation of activated human B cells in response to interleukin 2. J. Exp. Med. *168*, 1321-1337. (TC:105)
- 30 Defrance, T., Vanbervliet, B., Pène, J., and **Banchereau, J.** (1988). Human recombinant IL-4 induces activated B lymphocytes to produce IgG and IgM. J. Immunol. *141*, 2000-2005. (TC:127)
- 31 Del Prete, G., Maggi, E., Parronchi, P., Chrétien, I., Tiri, A., Macchia, D., Ricci, M., **Banchereau, J.**, de Vries, J. E., and Romagnani, S. (1988). IL-4 is an essential factor for the IgE synthesis induced in vitro by human T cell clones and their supernatants. J. Immunol. *140*, 4193-4198. (TC:450)
- 32 Galizzi, J. P., Cabrillat, H., Rousset, F., Ménétrier, C., de Vries, J. E., and **Banchereau, J.** (1988). IFN- γ and prostaglandin E2 inhibit IL-4-induced expression of Fc ϵ R2/CD23 on B lymphocytes through different mechanisms without altering binding of IL-4 to its receptor. J. Immunol. *141*, 1982-1988. (TC:62)
- 33 Jabara, H. H., Ackerman, S. J., Vercelli, D., Yokota, T., Arai, K. I., Abrams, J., Dvorak, A. M., Lavigne, M. C., **Banchereau, J.**, de Vries, J., Leung, D. Y. M., and Geha, R. S. (1988). Induction of interleukin 4 dependent IgE synthesis and interleukin 5 dependent eosinophil differentiation by supernatants of a human helper T cell clone. J. Clin. Immunol. *8*, 437-446. (TC:60)
- 34 Karray, S., Defrance, T., Merle-Béral, H., **Banchereau, J.**, Debré, P., and Galanaud, P. (1988). Interleukin 4 counteracts the interleukin 2-induced proliferation of monoclonal B cells. J. Exp. Med. *168*, 85-94. (TC:148)
- 35 Pène, J., Rousset, F., Brière, F., Chrétien, I., Bonnefoy, J. Y., Spits, H., Yokota, T., Arai, N., Arai, K. I., **Banchereau, J.**, and de Vries, J. E. (1988). IgE production by normal human lymphocytes is induced by interleukin 4 and suppressed by interferons gamma and alpha and prostaglandin E2. Proc. Natl. Acad. Sci. USA. *85*, 6880-6884. (TC:924)
- 36 Pène, J., Rousset, F., Brière, F., Chrétien, I., Paliard, X., **Banchereau, J.**, Spits, H., and de Vries, J. E. (1988). IgE production by normal human B cells induced by alloreactive T cell clones is mediated by interleukin 4 and suppressed by interferon γ . J. Immunol. *141*, 1218-1224. (TC:315)
- 37 Rousset, F., de Waal Malefijt, R., Slierendregt, B., Aubry, J. P., Bonnefoy, J. Y., Defrance, T., **Banchereau, J.**, and de Vries, J. E. (1988). Regulation of Fc receptor for IgE (CD23) and class II MHC antigen expression on Burkitt's lymphoma cell lines by human IL-4 and IFN- γ . J. Immunol. *140*, 2625-2632. (TC:168)
- 38 Saeland, S., Caux, C., Favre, C., Aubry, J. P., Mannoni, P., Pébusque, M. J., Gentilhomme, O., Otsuka, T., Yokota, T., Arai, N., Arai, K., **Banchereau, J.**, and de Vries, J. E. (1988). Effects of recombinant human interleukin-3 on CD34 enriched normal hematopoietic progenitors and on myeloblastic leukemia cells. Blood *72*, 1580-1588. (TC:117)

- 39 Shields, J. G., Smith, S. H., Strobel, S., Levinsky, R. J., Defrance, T., de Vries, J. E., **Banchereau, J.**, and Callard, R. E. (1988). Response of LFA-1 deficient B cells to interleukin-4 (BSF1) and low molecular weight B cell growth factor (BCGF low). Eur. J. Immunol. *18*, 255-259.
- 40 Almerigogna, F., Giudizi, M. G., Biagiotti, R., Alessi, A., Defrance, T., **Banchereau, J.**, Ricci, M., and Romagnani, S. (1989). Analysis of the B-cell growth-promoting activity of human IL-4, the co-stimulatory assay with anti-immunoglobulin antibodies. Comparison with the B-cell growth-promoting activity of other lymphokines. Immunology. *67*, 244-250.
- 41 Bonnefoy, J. Y., Denoroy, M. C., Guillot, O., Martens, C. L., and **Banchereau, J.** (1989). Activation of normal human B cells through their antigen receptor induces membrane expression of IL-1 α and secretion of IL-1 β . J. Immunol. *143*, 864-869. (TC:33)
- 42 Chrétien, I., van Kimmenade, A., Pearce, M. K., **Banchereau, J.**, and Abrams, J. S. (1989). Development of polyclonal and monoclonal antibodies for immunoassay and neutralization of human interleukin-4. J. Immunol. Methods. *117*, 67-81. (TC:99)
- 43 Clark, E. A., Shu, G. L., Luscher, B., Draves, K. E., **Banchereau, J.**, Ledbetter, J. A., and Valentine, M. A. (1989). Activation of human B cells. Comparison of the signal transduced by IL-4 to four different competence signals. J. Immunol. *143*, 3873-3880. (TC:102)
- 44 Cohen, J., Aubry, J. P., Revillard, J. P., **Banchereau, J.**, and Kazatchkine, M. (1989). Human T lymphocytes expressing the C3b/C4b complement receptor type one (CR1, CD35) belong to Fc γ receptor-positive CD4-positive T cells. Cell. Immunol. *121*, 217-224.
- 45 Defrance, T., Vanbervliet, B., Durand, I., and **Banchereau, J.** (1989). Human interleukin 4 down-regulates the surface expression of CD5 on normal and leukemic B cells. Eur. J. Immunol. *19*, 293-299. (TC:64)
- 46 Favre, C., Wijdenes, J., Cabrillat, H., Djossou, O., **Banchereau, J.**, and de Vries, J. E. (1989). Epitope mapping of recombinant human gamma interferon using monoclonal antibodies. Mol. Immunol. *26*, 17-25. (TC:61)
- 47 Galizzi, J. P., Zuber, C. E., Cabrillat, H., Djossou, O., and **Banchereau, J.** (1989). Internalization of human interleukin 4 and transient down-regulation of its receptor in the CD23-inducible Jijoye cells. J. Biol. Chem. *264*, 6984-6989. (TC:60)
- 48 Glovsky, M. M., Kebo, D., Helm, B. A., Horvath, S., Richards, J. A., Chrétien, I., **Banchereau, J.**, and Gould, H. (1989). Effect of monoclonal antihuman IgE on recombinant IgE (301-376) inhibition of specific IgE histamine release. Int. Arch. Allergy Appl. Immunol. *88*, 203-205.
- 49 Hivroz, C., Vallé, A., Brouet, J. C., **Banchereau, J.**, and Grillot-Courvalin, C. (1989). Regulation by interleukin 2 of CD23 expression of leukemic and normal B cells: comparison with interleukin 4. Eur. J. Immunol. *19*, 1025-1030. (TC:29)
- 50 Llorente, L., Crevon, M. L., Karray, S., Defrance, T., **Banchereau, J.**, and Galanaud, P. (1989). Interleukin-4 counteracts the helper effect of IL-2 on antigen-activated human B cells. Eur. J. Immunol. *19*, 765-769. (TC:37)

- 51 Vallé, A., Zuber, C. E., Defrance, T., Djossou, O., de Rie, M., and **Banchereau, J.** (1989). Activation of human B lymphocytes through CD40 and interleukin 4. Eur. J. Immunol. *19*, 1463-1467. (TC:232)
- 52 Aubry, J. P., Durand, I., De Paoli, P., and **Banchereau, J.** (1990). 7-amino-4-methylcoumarin-3-acetic acid-conjugated streptavidin permits simultaneous flow cytometry analysis of either three cell surface antigens or one cell surface antigen as a function of RNA and DNA content. J. Immunol. Methods. *128*, 39-49.
- 53 Billaud, M., Rousset, F., Aubry, J. P., **Banchereau, J.**, de Vries, J. E., Calender, A., Cordier, M., Gurtsevitch, V., Seigneurin, J. M., Springer, T., and Lenoir, G. M. (1990). Down regulation of LFA-1 and LFA-3 molecules is a common trait to EBV positive and negative Burkitt's lymphoma. Blood. *75*, 1827-1833.
- 54 Caux, C., Saeland, S., Favre, C., Duvert, V., Mannoni, P., and **Banchereau, J.** (1990). Tumor necrosis factor-alpha strongly potentiates interleukin-3 and granulocyte-macrophage colony-stimulating factor-induced proliferation of human CD34⁺ hematopoietic progenitor cells. Blood. *75*, 2292-2298. (TC:158)
- 55 Cordier, M., Calender, A., Billaud, M., Zimmer, U., Rousselet, G., Pavlish, O., **Banchereau, J.**, Tursz, T., Bornkamm, G., and Lenoir, G. M. (1990). Stable transfection of Epstein-Barr virus (EBV) Nuclear antigen 2 in lymphoma cells containing the EBV P3HR1 genome induces expression of B-cell activation molecules CD21 and CD23. J. Virol. *64*, 1002-1013. (TC:158)
- 56 Denoroy, M. C., Yodoi, J., and **Banchereau, J.** (1990). Interleukin 4 and interferons α and γ regulate Fc ϵ R2/CD23 mRNA expression on normal human B cells. Mol. Immunol. *27*, 129-134. (TC:21)
- 57 Diu, A., Fevrier, M., Mollier, P., Charron, D., **Banchereau, J.**, Reinherz, E. L., and Thèze, J. (1990). Lymphokine mediated human B cell activation. Further evidence for a human B cell activating factor distinct from IL-4. Cell. Immunol. *125*, 14-28.
- 58 Favrot, M., Capdeville, R., Combaret, V., Zhou, D. C., Clapisson, G., **Banchereau, J.**, Franks, C. R., Chouaib, S., Blay, J. Y., and Philip, T. (1990). Functional and phenotypic modifications induced by IL-4, as single reagent or in combination with IL-2, on PBMC preactivated in vivo by α -interferon + interleukin-2 therapy. Eur. Cytokine Network. *1*, 141-147.
- 59 Galizzi, J. P., Castle, B., Djossou, O., Harada, N., Cabrillat, H., Ait Yahia, S., Barrett, R., Howard, M., and **Banchereau, J.** (1990). Purification of a 130-kDa T cell glycoprotein that binds human interleukin 4 with high affinity. J. Biol. Chem. *265*, 439-444. (TC:48)
- 60 Galizzi, J. P., Zuber, C. E., Harada, N., Gorman, D. M., Djossou, O., Kastelein, R., **Banchereau, J.**, Howard, M., and Miyajima, A. (1990). Molecular cloning of a cDNA encoding the human interleukin-4 receptor. Int. Immunol. *2*, 669-675. (TC:104)
- 61 Miossec, P., Navilliat, M., Dupuy d'Angeac, A., Sany, J., and **Banchereau, J.** (1990). Low levels of interleukin 4 and high levels of transforming growth factor β in rheumatoid synovitis. Arthritis Rheum. *33*, 1180-1187. (TC:165)

- 62 Vallé, A., Garrone, P., Yssel, H., Bonnefoy, J. Y., Freedman, A. S., Freeman, G., Nadler, L. M., and **Banchereau, J.** (1990). Mab 104, a new monoclonal antibody, recognizes the B7 antigen which is expressed on activated B cells and HTLV-1 transformed T cells. Immunology. 69, 531-535. (TC:53)
- 63 Zhang, X. G., Bataille, R., Jourdan, M., Saeland, S., **Banchereau, J.**, and Klein, B. (1990). Granulocyte-macrophage colony-stimulating factor synergizes with interleukin-6 in supporting the proliferation of human myeloma cells. Blood. 76, 2599-2605. (TC:113)
- 64 Zuber, C. E., Galizzi, J. P., Harada, N., Durand, I., and **Banchereau, J.** (1990). Interleukin 4 receptors on human blood mononuclear cells. Cell. Immunol. 129, 329-340. (TC:27)
- 65 Zuber, C. E., Galizzi, J. P., Vallé, A., Harada, N., Howard, M., and **Banchereau, J.** (1990). Interleukin-4 receptors on normal human B lymphocytes: characterization and regulation. Eur. J. Immunol. 20, 551-555. (TC:40)
- 66 **Banchereau, J.**, de Paoli, P., Vallé, A., Garcia, E., and Rousset, F. (1991). Long term human B cell lines dependent on interleukin 4 and antibody to CD40. Science. 251, 70-72. (TC:544)
- 67 Caux, C., Favre, C., Saeland, S., Duvert, V., Durand, I., Mannoni, P., and **Banchereau, J.** (1991). Potentiation of early hematopoiesis by Tumor Necrosis Factor- α is followed by inhibition of granulopoietic differentiation and proliferation. Blood. 78, 635-644. (TC:73)
- 68 Fertin, C., Nicolas, J. F., Gillery, P., Kalis, B., **Banchereau, J.**, and Maquart, F. X. (1991). Interleukin-4 stimulates collagen synthesis by normal and scleroderma fibroblasts in dermal equivalents. Cell. Mol. Biol. 37, 823-829. (TC:82)
- 69 Garrone, P., Djossou, O., Galizzi, J. P., and **Banchereau, J.** (1991). A recombinant extracellular domain of the human interleukin 4 receptor inhibits the biological effects of interleukin 4 on T and B lymphocytes. Eur. J. Immunol. 21, 1365-1369. (TC:53)
- 70 Luo, H., Hofstetter, H., **Banchereau, J.**, and Delespesse, G. (1991). Cross-linking of CD23 antigen by its natural ligand (IgE) or by anti-CD23 antibody prevents B lymphocyte proliferation and differentiation. J. Immunol. 146, 2122-2129. (TC:59)
- 71 Rousset, F., Garcia, E., and **Banchereau, J.** (1991). Cytokine-induced proliferation and immunoglobulin production of human B lymphocytes triggered through their CD40 antigen. J. Exp. Med. 173, 705-710. (TC:301)
- 72 Saeland, S., Duvert, V., Pandrau, D., Caux, C., Durand, I., Wrighton, N., Wideman, J., Lee, F., and **Banchereau, J.** (1991). Interleukin-7 induces the proliferation of normal human B-cell precursors. Blood. 78, 2229-2238. (TC:71)
- 73 Thyphronitis, G., **Banchereau, J.**, Heusser, C., Tsokos, G. C., Levine, A. D., and Finkelman, F. D. (1991). Kinetics of Interleukin-4 induction and interferon- γ inhibition of IgE secretion by Epstein-Barr virus-infected human peripheral blood B cells. Cell. Immunol. 133, 408-419.
- 74 Vallé, A., Aubry, J. P., Durand, I., and **Banchereau, J.** (1991). IL-4 and IL-2 upregulate the expression of antigen B7, the B cell counterstructure to T cell CD28: an amplification mechanism for T-B cell interactions. Int. Immunol. 3, 229-235. (TC:81)

- 75 Briolay, J., Dechanet, J., Blanchard, D., **Banchereau, J.**, and Miossec, P. (1992). Interleukin 4 inhibits polyclonal immunoglobulin secretion and cytokine production by peripheral blood mononuclear cells from rheumatoid arthritis patients. J. Clin. Immunol. *12*, 36-44.
- 76 Caux, C., Dezutter-Dambuyant, C., Schmitt, D., and **Banchereau, J.** (1992). GM-CSF and TNF- α cooperate in the generation of dendritic Langerhans cells. Nature. *360*, 258-261. (TC:1111)
- 77 Caux, C., Moreau, I., Saeland, S., and **Banchereau, J.** (1992). Interferon- γ enhances factor dependent myeloid proliferation of human CD34⁺ hematopoietic progenitor cells. Blood. *79*, 2628-2635. (TC:47)
- 78 Defrance, T., Fluckiger, A. C., Rossi, J. F., Magaud, J. P., Sotto, J. J., and **Banchereau, J.** (1992). Anti-proliferative effects of IL-4 on freshly isolated non Hodgkin malignant B lymphoma cells. Blood. *79*, 990-996. (TC:36)
- 79 Defrance, T., Vanbervliet, B., Brière, F., Durand, I., Rousset, F., and **Banchereau, J.** (1992). Interleukin 10 and Transforming Growth Factor β cooperate to induce anti-CD40-activated naive human B cells to secrete Immunoglobulin. J. Exp. Med. *175*, 671-682. (TC:437)
- 80 Defrance, T., Vanbervliet, B., Durand, I., Briolay, J., and **Banchereau, J.** (1992). Proliferation and differentiation of human CD5⁺ and CD5⁻ B cell subsets activated through their antigen receptors or CD40 antigens. Eur. J. Immunol. *22*, 2831-2839. (TC:50)
- 81 Fluckiger, A. C., Rossi, J. F., Bussel, A., Bryon, P., **Banchereau, J.**, and Defrance, T. (1992). Responsiveness of chronic lymphocytic leukemia B cells activated via surface Igs or CD40 to B-cell tropic factors. Blood. *80*, 3173-3181. (TC:97)
- 82 Gillery, P., Fertin, C., Nicolas, J. F., Chastang, F., Kalis, B., **Banchereau, J.**, and Maquart, F. X. (1992). Interleukin-4 stimulates collagen gene expression in human fibroblast monolayer cultures. FEBS Lett. *302*, 231-234. (TC:77)
- 83 Merville, P., Pouteil-Noble, C., Wijdenes, J., Potaux, L., Touraine, J. L., and **Banchereau, J.** (1992). Modulation par les cytokines de la production in situ de l'interferon gamma et de l'interleukine 6 par les cellules infiltrant des allogreffes rénales humaines en rejet irréversible. La Presse Med. *21*, 1966-1967.
- 84 Merville, P., Rousset, F., **Banchereau, J.**, Klein, B., and Bataille, R. (1992). Serum interleukin 10 in early stage multiple myeloma. The Lancet. *340*, 1544-1545. (TC:37)
- 85 Miossec, P., Briolay, J., Dechanet, J., Wijdenes, J., Martinez-Valdez, H., and **Banchereau, J.** (1992). Inhibition of the production of proinflammatory cytokines and immunoglobulins by interleukin-4 in an ex vivo model of rheumatoid synovitis. Arthritis Rheum. *35*, 874-883. (TC:128)
- 86 Pandrau, D., Saeland, S., Duvert, V., Durand, I., Manel, A. M., Zobot, M. T., Philippe, N., and **Banchereau, J.** (1992). Interleukin-4 inhibits *in vitro* proliferation of leukemic and normal human B cell precursors. J. Clin. Invest. *90*, 1697-1706. (TC:37)

- 87 Rousset, F., Garcia, E., Defrance, T., Péronne, C., Vezzio, N., Hsu, D. H., Kastelein, R., Moore, K. W., and **Banchereau, J.** (1992). Interleukin 10 is a potent growth and differentiation factor for activated human B lymphocytes. Proc. Natl. Acad. Sci. USA. *89*, 1890-1893. (TC:760)
- 88 Saeland, S., Duvert, V., Caux, C., Pandrau, D., Favre, C., Vallé, A., Durand, I., Charbord, P., de Vries, J. E., and **Banchereau, J.** (1992). Distribution of surface-membrane molecules on bone marrow and cord blood CD34⁺ hematopoietic cells. Exp. Hematol. *20*, 24-33. (TC:144)
- 89 **Banchereau, J.**, Bidaud, C., Fluckiger, A. C., Galibert, L., Garrone, P., Malisan, F., and Pandrau, D. (1993). Effects of interleukin 4 on human B-cell growth and differentiation. Res. Immunol. *144*, 601-606.
- 90 Blay, J. Y., Burdin, N., Rousset, F., Lenoir, G., Biron, P., Philip, T., **Banchereau, J.**, and Favrot, M. (1993). Serum interleukin-10 in non-Hodgkin's lymphoma: A prognostic factor. Blood. *82*, 2169-2174. (TC:159)
- 91 Burdin, N., Péronne, C., **Banchereau, J.**, and Rousset, F. (1993). Epstein-Barr virus-transformation induces B lymphocytes to produce human interleukin-10. J. Exp. Med. *177*, 295-304. (TC:210)
- 92 Caux, C., Durand, I., Moreau, I., Duvert, V., Saeland, S., and **Banchereau, J.** (1993). TNF α cooperates with IL-3 in the recruitment of a primitive subset of human CD34⁺ progenitors. J. Exp. Med. *177*, 1815-1820. (TC:46)
- 93 Chomarat, P., Briolay, J., **Banchereau, J.**, and Miossec, P. (1993). Increased production of soluble CD23 in rheumatoid arthritis, and its regulation by interleukin-4. Arthritis Rheum. *36*, 234-242. (TC:45)
- 94 Chomarat, P., Rissoan, M.-C., **Banchereau, J.**, and Miossec, P. (1993). Interferon γ inhibits interleukin-10 production by monocytes. J. Exp. Med. *177*, 523-527. (TC:224)
- 95 Dechanet, J., Briolay, J., Rissoan, M. C., Chomarat, P., Galizzi, J. P., **Banchereau, J.**, and Miossec, P. (1993). Interleukin 4 inhibits growth factor-stimulated rheumatoid synoviocyte proliferation by blocking the early phases of the cell cycle. J. Immunol. *151*, 4908-4917. (TC:47)
- 96 Fluckiger, A. C., Garrone, P., Durand, I., Galizzi, J. P., and **Banchereau, J.** (1993). IL-10 upregulates functional high affinity IL-2 receptors on normal and leukemic B lymphocytes. J. Exp. Med. *178*, 1473-1481. (TC:106)
- 97 Garrone, P., and **Banchereau, J.** (1993). Agonistic and antagonistic effects of cholera toxin on the proliferation and differentiation of human B lymphocytes. Mol. Immunol. *30*, 627-635.
- 98 Hermann, P., Blanchard, D., de Saint-Vis, B., Fossiez, F., Gaillard, C., Vanbervliet, B., Brière, F., **Banchereau, J.**, and Galizzi, J. P. (1993). Expression of a 32 kD ligand for the CD40 antigen on activated human T lymphocytes. Eur. J. Immunol. *23*, 961-964. (TC:65)
- 99 Loyer, P., Ilyin, G., Razzak, Z. A., Dézier, J. F., **Banchereau, J.**, Campion, J. P., Guguen-Guillouzo, C., and Guillouzo, A. (1993). IL-4 modulates production of acute phase proteins in adult human hepatocytes. FEBS Lett. *336*, 215-220. (TC:37)

- 100 McKenzie, A. N. J., Culpepper, J. A., de Waal Malefijt, R., Brière, F., Punnonen, J., Aversa, G., Sato, A., Dang, W., Cocks, B. G., Menon, S., de Vries, J. E., **Banchereau, J.**, and Zurawski, G. (1993). Interleukin-13, a novel T cell-derived cytokine that regulates human monocyte and B cell function. Proc. Natl. Acad. Sci. USA. *90*, 3735-3739. **(TC:401)**
- 101 Merville, P., Pouteil-Noble, C., Wijdenes, J., Potaux, L., Touraine, J. L., and **Banchereau, J.** (1993). Cells infiltrating rejected human kidney allografts secrete IFN-gamma, IL-6 and IL-10, and are modulated by IL-2 and IL-4. Transplantation Proc. *25*, 111-113.
- 102 Merville, P., Pouteil-Noble, C., Wijdenes, J., Potaux, L., Touraine, J. L., and **Banchereau, J.** (1993). Detection of single cells secreting IFN-gamma, IL-6, and IL-10 in irreversibly rejected human kidney allografts, and their modulation by IL-2 and IL-4. Transplantation. *55*, 639-646. **(TC:36)**
- 103 Moreau, I., Duvert, V., **Banchereau, J.**, and Saeland, S. (1993). Culture of human fetal B-cell precursors on bone marrow stroma maintains highly proliferative CD20dim cells. Blood. *81*, 1170-1178. **(TC:54)**
- 104 Moreau, I., Duvert, V., Caux, C., Galmiche, M. C., Charbord, P., **Banchereau, J.**, and Saeland, S. (1993). Myofibroblastic stromal cells isolated from human bone marrow induce the proliferation of both early myeloid and B lymphoid cells. Blood. *82*, 2396-2405. **(TC:56)**
- 105 Pandrau, D., Francès, F., Martinez-Valdez, H., Pagès, M. P., Manel, A. M., Philippe, N., **Banchereau, J.**, and Saeland, S. (1993). Characterization of a t(1;19) pre-B acute lymphoblastic leukemia (ALL) cell line which proliferates in response to IL-7. Leukemia. *7*, 635-642.
- 106 Saeland, S., Duvert, V., Moreau, I., and **Banchereau, J.** (1993). Human B cell precursors proliferate and express CD23 after CD40 ligation. J. Exp. Med. *178*, 113-120. **(TC:95)**
- 107 Sato, N., Caux, C., Kitamura, T., Watanabe, Y., Arai, K., **Banchereau, J.**, and Miyajima, A. (1993). Expression and factor-dependent modulation of the Interleukin-3 receptor subunits on human hematopoietic cells. Blood. *82*, 752-761. **(TC:56)**
- 108 Blanchard, D., Gaillard, C., Hermann, P., and **Banchereau, J.** (1994). Role of CD40 antigen and interleukin-2 in T cell dependent human B lymphocyte growth. Eur. J. Immunol. *24*, 330-335. **(TC:45)**
- 109 Brière, F., Bridon, J. M., Chevet, D., Souillet, G., Bienvenue, F., and **Banchereau, J.** (1994). Interleukin 10 induces B lymphocytes from IgA deficient patients to secrete IgA. J. Clin. Invest. *94*, 97-104. **(TC:76)**
- 110 Brière, F., Servet-Delprat, C., Bridon, J. M., Saint-Remy, J. M., and **Banchereau, J.** (1994). Human interleukin 10 induces naive sIgD⁺ B cells to secrete IgG₁ and IgG₃. J. Exp. Med. *179*, 757-762. **(TC:188)**
- 111 Caux, C., Massacrier, C., Vanbervliet, B., Barthélémy, C., Liu, Y.-J., and **Banchereau, J.** (1994). Interleukin-10 inhibits T cell alloreaction induced by human dendritic cells. Int. Immunol. *6*, 1177-1185. **(TC:135)**

- 112 Caux, C., Massacrier, C., Vanbervliet, B., Dubois, B., van Kooten, C., Durand, I., and **Banchereau, J.** (1994). Activation of human dendritic cells through CD40 cross-linking. J. Exp. Med. *180*, 1263-1272. (TC:844)
- 113 Caux, C., Vanbervliet, B., Massacrier, C., Azuma, M., Okumura, K., Lanier, L. L., and **Banchereau, J.** (1994). B70/B7-2 is identical to CD86 and is the major functional ligand for CD28 expressed on human dendritic cells. J. Exp. Med. *180*, 1841-1847. (TC:238)
- 114 Chollet-Martin, S., Rousset, F., Chastre, J., Gibert, C., **Banchereau, J.**, and Gougerot-Pocidallo, M. A. (1994). Cytokines in adult respiratory distress syndrome. Lancet letter *344*, 1440.
- 115 Dechanet, J., Taupin, J. L., Chomarat, P., Rissoan, M. C., Moreau, J. F., **Banchereau, J.**, and Miossec, P. (1994). Interleukin-4 but not interleukin-10 inhibits the production of leukemia inhibitory factor by rheumatoid synovium and synoviocytes. Eur. J. Immunol. *24*, 3222-3228. (TC:41)
- 116 Fluckiger, A.-C., Durand, I., and **Banchereau, J.** (1994). Interleukin 10 induces apoptotic cell death of B-chronic lymphocytic leukemia cells. J. Exp. Med. *179*, 91-99. (TC:136)
- 117 Fluckiger, A. C., Brière, F., Zurawski, G., Bridon, J. M., and **Banchereau, J.** (1994). IL-13 has only a subset of IL-4 like activities on B chronic lymphocytic leukemia cells. Immunology *83*, 397-403.
- 118 Galibert, L., Durand, I., Rousset, F., and **Banchereau, J.** (1994). CD40 activated surface IgD positive lymphocytes constitute the long term IL-4 dependent proliferating B cell pool. J. Immunol. *152*, 22-29. (TC:34)
- 119 Garrone, P. G., L., Rousset, F., Fu, S. M., and **Banchereau, J.** (1994). Regulatory effects of prostaglandin E2 on the growth and differentiation of human B lymphocytes activated through their CD40 antigen. J. Immunol. *152*, 4282-4290. (TC:38)
- 120 Lafage-Pochitaloff, M., Hermann, P., Birg, F., Galizzi, J. P., Simonetti, J., Mannoni, P., and **Banchereau, J.** (1994). Localization of the human CD40 gene to chromosome 20, bands q12-q13.2. Leukemia. *8*, 1172-1175.
- 121 Miossec, P., Chomarat, P., Dechanet, J., Moreau, J. F., Roux, J. P., Delmas, P., and **Banchereau, J.** (1994). Interleukin 4 inhibits bone resorption through an effect on osteoclasts and proinflammatory cytokines in an *ex vivo* model of bone resorption in rheumatoid arthritis. Arthritis & Rheum. *37*, 1715-1722. (TC:58)
- 122 Munro, M., Freedman, A. S., Aster, J. C., Gribben, J. G., Lee, N. C., Rhyhart, K. K., **Banchereau, J.**, and Nadler, L. M. (1994). In vivo expression of the B7 costimulatory molecule by subsets of antigen-presenting cells and the malignant cells of Hodgkin's disease. Blood *83*, 793-798. (TC:70)
- 123 Pandrau-Garcia, D., de Saint-Vis, B., Saeland, S., Renard, N., Moreau, I., Ho, S., **Banchereau, J.**, and Galizzi, J. P. (1994). Growth inhibitory and agonistic signals of interleukin 7 (IL-7) can be mediated through the CDw127 IL-7 receptor. Blood. *83*, 3613-3619.

- 124 Pascual, V., Liu, Y.-J., Magalski, A., de Bouteiller, O., **Banchereau, J.**, and Capra, J. D. (1994). Analysis of somatic mutation in five B cell subsets of human tonsil. J. Exp. Med. 180, 329-339. (TC:405)
- 125 Péguet-Navarro, J., Moulon, C., Caux, C., Dalbiez-Gauthier, C., **Banchereau, J.**, and Schmitt, D. (1994). Interleukin 10 inhibits the primary allogeneic T cell response to human epidermal Langerhans cells. Eur. J. Immunol. 24, 884-891. (TC:110)
- 126 Peyron, E., Nicolas, J. F., Réano, A., Roche, P., Thivolet, J., Haftek, M., Schmitt, D., Péronne, C., **Banchereau, J.**, and Rousset, F. (1994). Human monoclonal autoantibodies specific for the bullous pemphigoid antigen 1 (BPAg 1). J. Immunol. 153, 1333-1339. (TC:66)
- 127 Peyron, F., Burdin, N., Ringwald, P., Vuillez, J. P., Rousset, F., and **Banchereau, J.** (1994). High levels of circulating IL-10 in human malaria. Clin. & Exp. Immunol. 95, 300-303. (TC:66)
- 128 Renard, N., Duvert, V., **Banchereau, J.**, and Saeland, S. (1994). Interleukin-13 inhibits the proliferation of normal and leukemic human B-cell precursors. Blood. 84, 2253-2260. (TC:31)
- 129 Renard, N., Duvert, V., Blanchard, D., **Banchereau, J.**, and Saeland, S. (1994). Activated CD4⁺ T cells induce CD40 dependent proliferation of human B cell precursors. J. Immunol. 152, 1693-1701.
- 130 van Kooten, C., Gaillard, C., Galizzi, J. P., Hermann, P., Fossiez, F., **Banchereau, J.**, and Blanchard, D. (1994). B cells regulate expression of CD40-ligand on activated T cells by lowering the mRNA level and through the release of soluble CD40. Eur. J. Immunol. 24, 787-792. (TC:109)
- 131 Arpin, C., Dechanet, J., van Kooten, K., Merville, P., Grouard, G., Brière, F., **Banchereau, J.**, and Liu, Y.-J. (1995). *In vitro* generation of memory B cells and plasma cells. Science. 268, 720-722. (TC:309)
- 132 Burdin, N., van Kooten, K., Galibert, L., Abrams, J. S., Wijdenes, J., **Banchereau, J.**, and Rousset, F. (1995). Endogenous IL-6 and IL-10 contribute to the differentiation of CD40-activated human B lymphocytes. J. Immunol. 154, 2533-2544. (TC:128)
- 133 Caux, C., Massacrier, C., Dezutter-Dambuyant, C., Vanbervliet, B., Jacquet, C., Schmitt, D., and **Banchereau, J.** (1995). Human dendritic Langerhans cells generated *in vitro* from CD34⁺ progenitors can prime naive CD4⁺ T cells and process soluble antigen. J. Immunol. 155, 5427-5435. (TC:90)
- 134 Chomarat, P., **Banchereau, J.**, and Miossec, P. (1995). Differential effects of IL-10 on IL-6 production by blood and synovium monocytes in rheumatoid arthritis. Arthritis & Rheum. 38, 1046-1054. (TC:53)
- 135 Chomarat, P., Rissoan, M. C., Pin, J. J., **Banchereau, J.**, and Miossec, P. (1995). Contribution of IL-1, CD14 and CD13 in the increased IL-6 production induced by *in vitro* monocyte-synoviocyte interactions. J. Immunol. 155, 3645-3652.
- 136 Chomarat, P., Vannier, E., Dechanet, J., Rissoan, M. C., **Banchereau, J.**, Dinarello, C. A., and Miossec, P. (1995). The balance of IL-1 receptor antagonist/IL-1 β in rheumatoid synovium and its regulation by IL-4 and IL-10. J. Immunol. 154, 1432-1439. (TC:128)

- 137 de Saint-Vis, B., Cupillard, L., Pandrau-Garcia, D., Ho, S., Renard, N., Grouard, G., Duvert, V., Thomas, X., Galizzi, J. P., **Banchereau, J.**, and Saeland, S. (1995). Distribution of carboxypeptidase-M on lymphoid and myeloid cells parallels the other zinc-dependent proteases CD10 and CD13. Blood. 86, 1098-1105.
- 138 Dechanet, J., Merville, P., Durand, I., **Banchereau, J.**, and Miossec, P. (1995). The ability of synoviocytes to support terminal differentiation of activated B cells may explain plasma cell accumulation in rheumatoid synovium. J. Clin. Invest. 95, 456-463. (TC:71)
- 139 Dechanet, J., Rissoan, M. C., **Banchereau, J.**, and Miossec, P. (1995). Interleukin 4, but not interleukin 10, regulates the production of inflammation mediators by rheumatoid synoviocytes. Cytokine. 7, 176-183. (TC:27)
- 140 Galibert, L., van Dooren, J., Durand, I., Rousset, F., Jefferis, R., **Banchereau, J.**, and Lebecque, S. (1995). Anti-CD40 plus interleukin-4-activated human naive B cell lines express unmutated immunoglobulin genes with intraclonal heavy chain isotype variability. Eur. J. Immunol. 25, 733-737. (TC:22)
- 141 Garrone, P., Neidhardt, E. M., Garcia, E., Galibert, L., van Kooten, C., and **Banchereau, J.** (1995). Fas ligation induces apoptosis of CD40-activated human B lymphocytes. J. Exp. Med. 182, 1265-1273. (TC:294)
- 142 Grouard, G., de Bouteiller, O., **Banchereau, J.**, and Liu, Y.-J. (1995). Human follicular dendritic cells enhance cytokine dependent growth and differentiation of CD40 activated B cells. J. Immunol. 155, 3345-3352. (TC:43)
- 143 Hermann, P., van Kooten, C., Gaillard, C., **Banchereau, J.**, and Blanchard, D. (1995). CD40 ligand-positive CD8+ T cell clones allow B cell growth and differentiation. Eur. J. Immunol. 25, 2972-2977. (TC:50)
- 144 Liu, Y.-J., Barthélémy, C., de Bouteiller, O., Arpin, C., Durand, I., and **Banchereau, J.** (1995). Memory B cells from human tonsils colonize mucosal epithelium and directly present antigen to T cells by rapid upregulation of B7.1 and B7.2. Immunity 2, 239-248. (TC:195)
- 145 Merville, P., Dechanet, J., Grouard, G., Durand, I., and **Banchereau, J.** (1995). T cell-induced B cell blasts differentiate into plasma cells when cultured on bone marrow stroma with IL3 and IL10. Int. Immunol. 7, 635-643.
- 146 Merville, P., Lambert, C., Durand, I., Pouteil-Noble, C., Touraine, J.-L., Berthoux, F., and **Banchereau, J.** (1995). High frequency of IL-10-secreting CD4⁺ graft-infiltrating T lymphocytes in rejected kidney allografts. Transplantation. 59, 1113-1119. (TC:30)
- 147 Péguet-Navarro, J., Dalbiez-Gauthier, C., Rattis, F. M., van Kooten, C., **Banchereau, J.**, and Schmitt, D. (1995). Functional expression of CD40 antigen on human epidermal Langerhans cells. J. Immunol. 155, 4241-4247. (TC:86)
- 148 Peyron, E., Gaucherand, M., Nicolas, J. F., Exbrayat, J. M., Thivolet, J., **Banchereau, J.**, and Rousset, F. (1995). Phylogenetic studies of the bullous pemphigoid antigen 1 using human monoclonal antibodies. Eur. J. Dermatol. 5, 160-163.

- 149 Quiding-Järbrink, M., Lakew, M., Nordström, I., **Banchereau, J.**, Butcher, E., Holmgren, J., and Czerkinsky, C. (1995). Human circulating specific antibody-forming cells after systemic and mucosal immunizations: differential homing commitments and cell surface differentiation markers. Eur. J. Immunol. 25, 322-327. (TC:56)
- 150 Renard, N., Duvert, V., Matthews, D. J., Pagès, M. P., Magaud, J. P., Manel, A. M., Pandrau-Garcia, D., Philippe, N., **Banchereau, J.**, and Saeland, S. (1995). Proliferation of MIELIKI a novel t(7;9) early pre-B acute lymphoblastic leukemia cell line is inhibited concomitantly by IL-4 and IL-7. Leukemia 9, 1219-1226.
- 151 Rousset, F., Peyrol, S., Garcia, E., Vezzio, N., Andujar, M., Grimaud, J. A., and **Banchereau, J.** (1995). Long-term cultured CD40-activated B lymphocytes differentiate into plasma cells in response to IL-10 but not IL-4. Int. Immunol. 7, 1243-1253. (TC:46)
- 152 Servet-Delprat, C., Bridon, J. M., Blanchard, D., **Banchereau, J.**, and Brière, F. (1995). CD40-activated human naive surface IgD⁺ B cells produce IgG2 in response to activated T cell supernatant. Immunology 85, 435-441.
- 153 Zurawski, S. M., Chomarat, P., Djossou, O., Bidaud, C., McKenzie, A. N. J., Miossec, P., **Banchereau, J.**, and Zurawski, G. (1995). The primary binding subunit of the human Interleukin-4 receptor is also a component of the Interleukin-13 receptor. J. Biol. Chem. 270, 13869-13878. (TC:166)
- 154 Briere, F., Chevet, D., Bridon, J.M., Souillet, G., Rifle, G., and **Banchereau, J.** (1996). Les lymphocytes B de patients atteints de deficit complet en IgA secretent de l'IgA en reponse a l'interleukine 10. Nephrologie 17, 289-295.
- 155 Burdin, N., Galibert, L., Garrone, P., Durand, I., **Banchereau, J.**, and Rousset, F. (1996). Inability to produce interleukin-6 is a functional feature of human germinal center B lymphocytes. J. Immunol. 156, 4107-4113. (TC:22)
- 156 Caux, C., Vanbervliet, B., Massacrier, C., Durand, I., and **Banchereau, J.** (1996). Interleukin-3 cooperates with tumor necrosis factor α for the development of human dendritic/Langerhans cells from cord blood CD34⁺ hematopoietic progenitor cells. Blood 87, 2376-2385. (TC:76)
- 157 Caux, C., Vanbervliet, B., Massacrier, C., Dezutter-Dambuyant, C., de Saint-Vis, B., Jacquet, C., Yoneda, K., Imamura, S., Schmitt, D., and **Banchereau, J.** (1996). CD34⁺ hematopoietic progenitors from human cord blood differentiate along two independent dendritic cell pathways in response to GM-CSF+TNF α . J. Exp. Med. 184, 695-706. (TC:562)
- 158 Deaglio, S., Dianzani, U., Horenstein, A. L., Fernandez, J. E., van Kooten, C., Bragardo, M., Funaro, A., Garbarino, G., Di Virgilio, F., **Banchereau, J.**, and Malavasi, F. (1996). Human CD38 ligand. A 120-KDA protein predominantly expressed on endothelial cells. J. Immunol. 156, 727-734. (TC:91)
- 159 Fossiez, F., Djossou, O., Chomarat, P., Flores-Romo, L., Ait-Yahia, S., Maat, C., Pin, J. J., Garrone, P., Garcia, E., Saeland, S., Blanchard, D., Gaillard, C., Das Mahapatra, B., Rouvier, E., Golstein, P., **Banchereau, J.**, and Lebecque, S. (1996). T-cell IL-17 induces stromal cells to produce proinflammatory and hematopoietic cytokines. J. Exp. Med. 183, 2593-2603. (TC:308)

- 160 Friman, V., Brière, F., and **Banchereau, J.** (1996). The interleukin-10 driven immunoglobulin production by B lymphocytes from IgA-deficient individuals correlates to infection proneness. Clin. & Exp. Immunol. *104*, 432-438.
- 161 Galibert, L., Burdin, N., Barthélémy, C., Meffre, G., Durand, I., Garcia, E., Garrone, P., Rousset, F., **Banchereau, J.**, and Liu, Y.-J. (1996). Negative selection of human germinal center B cells by prolonged BCR crosslinking. J. Exp. Med. *183*, 2075-2085. (TC:47)
- 162 Galibert, L., Burdin, N., de Saint-Vis, B., Garrone, P., van Kooten, C., **Banchereau, J.**, and Rousset, F. (1996). CD40 and B cell antigen receptor dual triggering of resting B lymphocytes turns on a partial germinal center phenotype. J. Exp. Med. *183*, 77-85. (TC:87)
- 163 Garrone, P., Djossou, O., Fossiez, F., Reyes, J., Ait-Yahia, S., Maat, C., Ho, S., Hauser, T., Dayer, J. M., Greffe, J., Miossec, P., Lebecque, S., Rousset, F., and **Banchereau, J.** (1996). Generation and characterization of a human monoclonal autoantibody that acts as a high affinity interleukin-1 α specific inhibitor. Mol. Immunol. *33*, 649-658.
- 164 Grouard, G., Durand, I., Filgueira, L., **Banchereau, J.**, and Liu, Y.-J. (1996). Dendritic cells capable of stimulating T cells in germinal centers. Nature. *384*, 364-367. (TC:185)
- 165 Jouvenne, P., Fossiez, F., Garrone, P., Djossou, O., **Banchereau, J.**, and Miossec, P. (1996). Increased incidence of neutralizing autoantibodies against interleukin-1 α (IL-1 α) in nondestructive chronic polyarthritis. J. Clin. Immunol. *16*, 283-289.
- 166 Liu, Y.-J., de Bouteiller, O., Arpin, C., Brière, F., Galibert, L., Ho, S., Martinez-Valdez, H., **Banchereau, J.**, and Lebecque, S. (1996). Normal human IgD+IgM- germinal center B cells can express up to 80 mutations in the variable region of their IgD transcripts. Immunity. *4*, 603-613. (TC:78)
- 167 Liu, Y.-J., Malisan, F., de Bouteiller, O., Guret, C., Lebecque, S., **Banchereau, J.**, Mills, F. C., Max, E. E., and Martinez-Valdez, H. (1996). Within germinal centers isotype switching of immunoglobulin genes occurs after onset of somatic mutation. Immunity. *4*, 241-250. (TC:162)
- 168 Malisan, F., Brière, F., Bridon, J. M., Harindranath, N., Mills, F. C., Max, E. E., **Banchereau, J.**, and Martinez-Valdez, H. (1996). IL-10 induces IgG isotype switch recombination in human CD40-activated naive B lymphocytes. J. Exp. Med. *183*, 937-947. (TC:75)
- 169 Malisan, F., Fluckiger, A. C., Ho, S., Guret, C., **Banchereau, J.**, and Martinez-Valdez, H. (1996). B-chronic lymphocytic leukemias can undergo isotype switching *in vivo* and can be induced to differentiate and switch *in vitro*. Blood. *87*, 717-724. (TC:38)
- 170 Martinez-Valdez, H., Guret, C., de Bouteiller, O., Fugier, I., **Banchereau, J.**, and Liu, Y.-J. (1996). Human germinal center B cells express the apoptosis inducing genes Fas, c-myc, P53 and Bax but not the survival gene bcl-2. J. Exp. Med. *183*, 971-977. (TC:99)
- 171 Ménétrier-Caux, C., Brière, F., Jouvenne, P., Peyron, E., Peyron, F., and **Banchereau, J.** (1996). Identification of human IgG autoantibodies specific for interleukin-10. Clin. & Exp. Immunol. *104*, 173-179.

- 172 Merville, P., Dechanet, J., Desmoulière, A., Durand, I., de Bouteiller, O., Garrone, P., **Banchereau, J.**, and Liu, Y.-J. (1996). Bcl-2 positive tonsillar plasma cells are rescued from prompt apoptosis by bone marrow fibroblasts. J. Exp. Med. *183*, 227-236. **(TC:93)**
- 173 Razanajaona, D., van Kooten, C., Lebecque, S., Bridon, J. M., Ho, S., Smith, S., Callard, R., **Banchereau J.**, and Brière, F. (1996). Somatic mutations in human Ig variable genes correlate with a partially functional CD40-ligand in the X-linked Hyper-IgM syndrome. J. Immunol. *157*, 1492-1498.
- 174 Renard, N., Lafage-Pochitaloff, M., Durand, I., Duvert, V., Coignet, L., **Banchereau, J.**, and Saeland, S. (1996). Demonstration of functional CD40 in B-lineage acute lymphoblastic leukemia cells in response to T cell CD40-ligand. Blood. *87*, 5162-5170.
- 175 Rissoan, M.C., van Kooten, C., Chomarat, P., Gailbert, L., Durand, I., Thivolet-Bejui, F., Miossec, P. and **Banchereau, J.** (1996). The functional CD40 antigen of fibroblasts may contribute to the proliferation of rheumatoid synovium. Clin. & Exp. Immunol. *106*, 481-490. **(TC:38)**
- 176 Schnyder, B., Lugli, S.M., Schnyder-Candrian, S., Eng, V.M., Moser, R., **Banchereau, J.**, Ryffel, B., and Car, B.D. (1996). Biochemical and morphological characterization of vascular and lymphocytic IL-4 receptors. Am. J. Pathol. *149*, 1369-1379.
- 177 Servet-Delprat, C., Bridon, J. M., Djossou, O., Ait Yahia, S., **Banchereau, J.**, and Brière, F. (1996). Delayed IgG2 humoral response in infants is not due to intrinsic T or B cell defects. Int. Immunol. *8*, 1495-1502.
- 178 Visco, V., Dolecek, C., Dénépoux, S., Le Mao, J., Guret, C., Rousset, F., Guinnepain, M. T., Kraft, D., Valenta, R., Weyer, A., **Banchereau, J.**, and Lebecque, S. (1996). Human IgG monoclonal antibodies that modulate the binding of specific IgE to birch pollen Bet v 1. J. Immunol. *157*, 956-962. **(TC:55)**
- 179 Zimmer-Strobl, U., Kempkes, B., Marschall, G., Zeidler, R., van Kooten, C., **Banchereau, J.**, Bornkamm, G. W., and Hammerschmidt, W. (1996). Epstein-Barr virus latent membrane protein (LMP1) is not sufficient to maintain proliferation of B-cells but both it and activated CD40 can prolong their survival. EMBO J. *15*, 7070-7078. **(TC:67)**
- 180 Arpin, C., **Banchereau, J.**, and Liu, Y.-J. (1997). Memory B cells are biased towards terminal differentiation: A strategy that may prevent repertoire freezing. J. Exp. Med. *186*, 931-940. **(TC:71)**
- 181 Bates, E.E.M., Ravel, O., Dieu, M.-C., Ho, S., Guret, C., Bridon, J.-M., Ait-Yahia, S., Briere, F., Caux, C., **Banchereau, J.**, and Lebecque, S. (1997). Identification and analysis of a novel member of the ubiquitin family expressed in dendritic cells and mature B cells. Eur. J. Immunol. *27*, 2471-2477.
- 182 Bjorek, P., **Banchereau, J.**, and Flores-Romo, L. (1997). CD40 ligation counteracts Fas-induced apoptosis of human dendritic cells. Int. Immunol. *9*, 365-372. **(TC:105)**

- 183 Caux, C., Massacrier, C., Vanbervliet, B., Dubois, B., Durand, I., Cella, M., Lanzavecchia, A., **Banchereau, J.** (1997). CD34⁺ hematopoietic progenitors from human cord blood differentiate along two independent dendritic cell pathways in response to GM-CSF+TNF α : II functional analysis. Blood. 90, 1458-1470. (TC:233)
- 184 Dechanet, J., Grosset, C., Taupin, J.-L., Merville, P., **Banchereau, J.**, Ripoché, J., and Moreau, J.-F. (1997). CD40 ligand stimulates proinflammatory cytokine production by human endothelial cells. J. Immunol. 159, 5640-5647. (TC:59)
- 185 Denepoux, S., Razanajaona, D., Blanchard, D., Meffre, G., Capra, J.D., **Banchereau, J.**, and Lebecque, S. (1997). Induction of somatic hypermutation in a human B cell line requires surface Ig cross-linking and coculture with anti-CD3 activated cloned T cells. Immunity. 6, 35-46. (TC:101)
- 186 Dubois, B., Vanbervliet, B., Fayette, J., Massacrier, C., van Kooten, C., Briere, F., **Banchereau, J.**, and Caux, C. (1997). Dendritic cells enhance growth and differentiation of CD40-activated B lymphocytes. J. Exp. Med. 185, 941-951. (TC:173)
- 187 Fayette, J., Dubois, B., Vandenabelle, S., Bridon, J.-M., Vanbervliet, B., Durand, I., **Banchereau, J.**, Caux, C., and Briere, F. (1997). Human dendritic cells skew isotype switching of CD40-activated naive B cells towards IgA₁ and IgA₂. J. Exp. Med. 185, 1909-1918. (TC:114)
- 188 Flores-Romo, L., Bjorck, P., Duvert, V., van Kooten, C., Saeland, S., and **Banchereau, J.** (1997). CD40 ligation on human CD34⁺ hematopoietic progenitors induces their proliferation and differentiation into functional dendritic cells. J. Exp. Med. 185, 341-349. (TC:107)
- 189 Fugier-Vivier, I., de Bouteiller, O., Guret, C., Fossiez, F., **Banchereau, J.**, Mattei, M.-G., Ait-Yahia, S., Garcia, E., Lebecque S., and Liu, Y.-J. (1997). Molecular cloning of human RP105. Eur. J. Immunol. 27, 1824-1827.
- 190 Genestier, L., Meffre, G., Garrone, P., Pin, J.J., Liu, Y.-J., **Banchereau, J.**, and Revillard, J.P. (1997). Antibodies to HLA class I β 1 domain trigger apoptosis of CD40-activated human B lymphocytes. Blood. 90, 726-735.
- 191 Genestier, L., Paillot R., Meffre, G., Bonnefoy-Berard, N., Flacher, M., Fevre, D., Liu, Y.-J., Le Bouteiller, P., Waldman, H., Engelhard, V.H., **Banchereau, J.**, and Revillard, J.P. (1997). Fas independent apoptosis of activated T cells induced by antibodies to HLA class I β 1 domain. Blood. 90, 3629-3639. (TC:30)
- 192 Greiner, A., Knorr, C., Yufen, Q., Sebald, W., Schimpi, A., **Banchereau, J.**, Muller-Hermelink, H. K. (1997). Low grade B cell lymphomas of mucosa associated lymphoid tissue (MALT-type) require CD40-mediated signalling and Th2-type cytokines for in vitro growth and differentiation. Am. J. Path. 150, 1583-1593. (TC:61)
- 193 Grosjean, I., Caux, C., Bella, C., Berger, I., Wild, F., **Banchereau, J.**, and Kaiserlian, D. (1997). Measles virus infects human dendritic cells and blocks their allostimulatory properties for CD4⁺ T cells. J. Exp. Med. 186, 801-812. (TC:179)
- 194 Grouard, G., Rissoan, M.C., Filgueira, L., Durand, I., **Banchereau, J.**, and Liu, Y.-J. (1997). The enigmatic plasmacytoid T cells develop into dendritic cells with IL-3 and CD40-ligand. J. Exp. Med. 185, 1101-1111. (TC:503)

- 195 Jouvenne, P., Fossiez, F., **Banchereau, J.**, and Miossec, P. (1997). High levels of neutralizing autoantibodies against IL-1 alpha are associated with a better prognosis in chronic polyarthritis: a follow-up study. Scand. J. Immunol. *46*, 413-418.
- 196 Lebecque, S., de Bouteiller, O., Arpin, C., **Banchereau, J.**, and Liu, Y.-J. (1997). Germinal center founder cells display propensity for apoptosis before onset of somatic mutation. J. Exp. Med. *185*, 563-571. (TC:62)
- 197 Liu, Y.-J., Xu, J., de Bouteiller, O., Parham, C. L., Grouard, G., Djossou, O., de Saint-Vis, B., Lebecque, S., **Banchereau, J.**, and Moore, K. W. (1997). Follicular dendritic cells specifically express the long CR2/CD isoform. J. Exp. Med. *185*, 165-170. (TC:65)
- 198 Liu, Y.-J., de Waal Malefyt, R., Briere, F., Parham, C., Bridgion, J. M., **Banchereau, J.**, Moore, K., and Xu, J. (1997). The Epstein-Barr virus interleukin-10 (IL-10) homolog is a selective agonist with impaired binding to the IL-10 receptor. J. Immunol. *158*, 604-613. (TC:67)
- 199 Peguet-Navarro, J., Dalbiez-Gauthier, C., Moulon, C., Berthier, O., Reano, A., Gaucherand, M., **Banchereau, J.**, Rousset, F., and Schmitt, D., (1997). CD40 ligation of human keratinocytes inhibits their proliferation and induces their differentiation. J. Immunol. *158*, 144-152. (TC:66)
- 200 Razanajaona, D., Denepoux, S., Dominique, B., de Bouteiller, O., Liu, Y.-J., **Banchereau, J.**, and Lebecque, S. (1997). *In vitro* triggering of somatic mutation in human naive B cells. J. Immunol. *159*, 3347-3353. (TC:23)
- 201 Renard, N., Harada, N., Callet-Bauchu, E., Miyajima, A., Duvert, V., **Banchereau, J.**, and Saeland, S. (1997). Heterogeneity of the inhibitory effects of IL-4 in two novel B lineage acute lymphoblastic leukemia cell lines. Leukemia Research. *21*, 1037-1046.
- 202 van Kooten, C., Gerritsma, J.S.J., Paape, M.E., van Es, L.A., **Banchereau, J.**, and Daha, M.R. (1997). Possible role for CD40-CD40L in the regulation of interstitial infiltration in the kidney. Kidney International. *51*, 711-721. (TC:80)
- 203 van Kooten, C., Galibert, L., Seon, BK, Garrone, P., Liu, Y.-J., and **Banchereau, J.** (1997). Cross-linking of antigen receptor via Ig- β (B29, CD79b) can induce both positive and negative signals in CD40-activated human B cells. Clin. Exp. Immunol. *110*: 509-515.
- 204 Arpin, C., de Bouteiller, O., Razanajaona, D., Fugier-Vivier, I., Briere, F., **Banchereau, J.**, Lebecque, S., and Liu, Y.-J. (1998). The Normal Counterpart of IgD Myeloma Cells in Germinal Center Displays Extensively Mutated IgVH Gene, C λ -C λ Switch, and λ Light Chain Expression. J. Exp. Med. *187*, 1169-1178.
- 205 Bates, E.E., Dieu, M.C., Ravel, O., Zurawski, S.M., Patel, S., Bridon, J.M., Ait-Yahia, S., Vega, F. Jr., **Banchereau, J.**, Lebecque, S. (1998). CD40L activation of dendritic cells down-regulates DORA, a novel member of the immunoglobulin superfamily. Mol. Immunol. *35*, 513-524.
- 206 de Saint-Vis, B., Fugier-Vivier, I., Massacrier, C., Vanbervliet, B., Ait-Yahia, S., **Banchereau, J.**, Liu, -Y.-J., Lebecque, S., and Caux, C. (1998). The Cytokine profile expressed by human dendritic cells is dependent on cell subtype and mode of activation. J. Immunol. *160*, 1666-1676. (TC:214)

- 207 de Saint-Vis, B., Vincent, J., Vandenabeele, S., Vanbervliet, B., Pin, J.-J., Ait-Yahia, S., Patel, S., Mattei, M.-G., **Banchereau, J.**, Zurawski, S., Davoust, J., Caux, C., and Lebecque, S. (1998). A novel human lysosome associated membrane glycoprotein, DC-lamp, induced upon DC maturation, co-localized to MHC class II compartments and is expressed specifically in interdigitating dendritic cells. Immunity. 9, 325-336. (TC:150)
- 208 Dubois, B., Massacrier, C., Vanbervliet, B., Fayette, J., Briere, F., **Banchereau, J.**, and Caux, C. (1998). Critical role of IL-12 in dendritic cell-Induced differentiation of naive B lymphocytes. J. Immunol. 161, 2223-2231. (TC:83)
- 209 Fayette, J., Durand, I., Bridon, J.M., Arpin, C., Dubois, B., Caux, C., Liu, Y.-J., **Banchereau, J.**, and Briere, F. (1998). Dendritic cells enhance the differentiation of naïve B cells into plasma cells *in vitro*. Scand. J. Immunol. 48, 563-570. (TC:35)
- 210 Genestier, L., Prigent, A.F., Paillot, R., Quemeneur, L., Durand, I., **Banchereau, J.**, Revillard, J.P., and Bonnefoy-Berard, N. (1998). Caspase-dependent ceramide production in Fas- and HLA class I-mediated peripheral T cell apoptosis. J. Biol. Chem. 273, 5060-5066. (TC:52)
- 211 Knappe, A., Hiller, C., Niphuis, H., Fossiez, F., Thurau, M., Wittmann, S., Kuhn, E.M., Lebecque, S., **Banchereau, J.**, Rosenwirth, B., Fleckenstein, B., Heeney, J., and Fickenscher, H. (1998). The interleukin-17 gene of herpesvirus saimiri. J. Virol. 72, 5797-5801. (TC:30)
- 212 Meffre, E., Papavasiliou, F., Cohen, P., de Bouteiller, O., Bell, D., Karasuyama, H., Schiff, C., **Banchereau, J.**, Liu, Y.-J., and Nussenzweig, M.C. (1998). Antigen receptor engagement turns off the V(D)J recombination machinery in human tonsil B cells. J. Exp. Med. 188, 765-772. (TC:103)
- 213 van Kooten, C., Boonstra, J.G., Paape, M.E., Fossiez, F., **Banchereau, J.**, Lebecque, S., van Es, L.A., and Daha, M.R. (1998). Interleukin-17 and CD40-ligand act synergistically in the activation of human renal epithelial cells and can both be detected during renal allograft rejection. J. Am. Soc. Nephrol. 9, 1526-1534. (TC:56)
- 214 Wilson, P.C., De Bouteiller, O., Liu, Y.-J., Potter, K., **Banchereau, J.**, Capra, J.D., and Pascual, V. (1998). Somatic hypermutation introduces insertions and deletions into immunoglobulin V genes. J. Exp. Med. 187, 59-70. (TC:120)
- 215 Bell, D., Chomarat, P., Broyles, D., Netto, G., Harb, G.-M., Lebecque, S., Valladeau, J., Davoust, J., Palucka, K.A., and **Banchereau, J.** (1999). In breast carcinoma tissue immature DC reside within the tumor while mature DC are located in peritumoral areas. J. Exp. Med. 190, 1417-1426. (TC:188)
- 216 Eibensteiner, P., Denepoux, S., Steinberger, P., Kraft, D., Visco, V., **Banchereau, J.**, Lebecque, S., and Valenta, R. (1999). Expression of a Human IgG4 Antibody, BAB2, with Specificity for the major birch pollen allergen, Bet v 1 in Escherichia coli: Recombinant BaB2 Fabs enhance the allergic reaction. Int. Arch. Allergy Immunol. 118, 190-192.
- 217 Cutler CW, Jotwani R, Palucka KA, Davoust J, Bell D, **Banchereau J.** (1999). Evidence and a novel hypothesis for the role of dendritic cells and Porphyromonas gingivalis in adult periodontitis. J Periodontal Res, 34(7):406-12

- 218 Gormand, F., Briere, F., Peyrol, S., Raccurt, M., Durand, I., Ait-Yahia, S., Lebecque, S, **Banchereau, J.**, and Pacheco, Y. (1999). CD40 expression by human bronchial epithelial cells. Scand. J. Immunol. 49, 355-361.
- 219 Tartour, E., Fossiez, F., Joyeux, I., Galinha, A., Gey, A., Claret, E., Sastre-Garau, X., Couturier, J., Mosseri, V., Vives, V., **Banchereau, J.**, Fridman, W.H., Wijdenes, J., Lebecque, S., and Sautes-Fridman, C. (1999). Interleukin 17, a T-cell-derived cytokine, promotes tumorigenicity of human cervical tumors in nude mice. Cancer Research. 59, 3698-3704. (TC:44)
- 220 Valladeau, J., Duvert-Frances, Pin, J.-J., Dezutter-/Dambuyant, C., Vincent, C., Massacrier, C., Vincent, J., Yoneda, K., **Banchereau, J.**, Caux, C., Davoust, J., and Saeland, Sem. (1999). The monoclonal antibody DCGM4 recognizes Langerin, a protein specific of Langerhans cells, and is rapidly internalized from the cell surface. Eur. J. Immunol. 29, 2695-2704. (TC:119)
- 221 Berard, F., Blanco, P., Davoust, J., Neidhart-Berard, E.-M., Nouri-Shirazi, M., Taquet, N., Rimoldi, D., Cerottini, J.C., **Banchereau, J.**, and Palucka, A.K. (2000). Priming of naïve CD8 T cells against melanoma antigens using dendritic cells loaded with killed allogeneic melanoma cells. J. Exp. Med. 192:1535-1544. (TC:133)
- 222 Chomarat, P., **Banchereau, J.**, Davoust, J., and Palucka, A.K. (2000). IL-6 switches the differentiation of monocytes from dendritic cells to macrophages. Nature Immunology. 1:510-514. (TC:176)
- 223 Denepoux, S., Eibensteiner, P.B., Steinberger, P., Vrtala, S., Visco, V., Weyer, A., Kraft, D., **Banchereau, J.**, Valenta, R., and Lebecque, S. (2000) Human IgG monoclonal antibodies specific for the major birch pollen allergen Bet v 1. Anti-allergen IgG can enhance the anaphylactic reaction. FEBS Letter.465:39-46.
- 224 Denepoux S, Fournier N, Peronne C, **Banchereau J**, Lebecque S. (2000). T cells can induce somatic mutation in B cell receptor-engaged BL2 Burkitt's lymphoma cells independently of CD40-CD40 ligand interactions. J Immunol. 164:1306-13.
- 225 Frazer, K., Jackson, D., Gaillard, JP., Liu, YJ, **Banchereau, J**, Capra, JD, and Pascual, V. (2000). Characterization of Centerin, a novel human germinal center B cell restricted serpin. Eur. J. Immunol. 30:3039-3048.
- 226 Levy MF, Crippin J, Sutton S, Netto G, McCormack J, Curiel T, Goldstein RM, Newman JT, Gonwa TA, **Banchereau J**, Diamond LE, Byrne G, Logan J, Klintmalm GB. (2000). Liver allotransplantation after extracorporeal hepatic support with transgenic (hCD55/hCD59) porcine livers: clinical results and lack of pig-to-human transmission of the porcine endogenous retrovirus. Transplantation. 69:272-80(TC:67)
- 227 Nouri-Shirazi, M, Bell, D, Burkeholder, S, Kraus, ET, Davoust, J, **Banchereau, J**, and Palucka, KA. (2000) Dendritic cells capture tumor cell bodies and process/present their antigens to elicit primary immune responses. J. Immunol. 165:3797-3803. (TC:112)
- 228 Pulendran, B., **Banchereau, J**, Burkeholder, S., Kraus, E., Guinet, E., Chalouni, C., Caron, D., Maliszewski, C., Davoust, J., Fay, J., and Palucka, K. (2000). Flt3-Ligand and G-CSF mobilize distinct human DC subsets in vivo. J. Immunol. 165:566-572. (TC:177)

- 229 Wilson, PC, Wilson, K, Liu, YJ, **Banchereau, J**, Pascual V, and Capra, JD. (2000). Identification of VH gene receptor revision in normal human B lymphocytes. J. Exp. Med. 191:1881-94. (TC:89)
- 230 Arce, E., Jackson, D.G., **Banchereau, J.**, and Pascual, V. (2001). Increased frequency of pre-germinal center B cells and plasmablasts in the blood of children with systemic lupus erythematosus. J. Immunol. 167:2361-2369. (TC:71)
- 231 **Banchereau, J.**, Palucka, A.K., Dhodapkar, M., Burkeholder, S., Taquet, N., Alexandre, R., Taquet, S., Coquery, S., Wittkowski, K., Bhardwaj, N., Pineiro, L., Steinman, R., and Fay, J. (2001). Immune and clinical responses in patients with metastatic melanoma to CD34+ progenitor-derived dendritic cell vaccine. Cancer Research. 61:6451-6458. (TC:390)
- 232 Blanco, P., Palucka, A.K., Gill, M., Pascual, V., and **Banchereau, J.** (2001). Interferon alpha and dendritic cells in systemic lupus erythematosus. Science. 294:1540-1543. (TC:303)
- 233 Jotwani, R., Palucka, A.K., Al-Quotub, M., Nouri-Shirazi, M., Kim, J., Bell, D., **Banchereau, J.**, and Cutler, C.W. (2001). Mature dendritic cells infiltrate the T cell-rich region of oral mucosa in chronic periodontitis: In Situ, *in vivo*, and *in vitro* studies. J. of Immunology. 167:4693-4700. (TC:37)
- 234 Pulendran, B., Kumar, P., Cutler, C.W., Mohamadzadeh, M., Van Dyke, T., and **Banchereau, J.** (2001). Lipopolysaccharides from distinct pathogens induce different classes of immune responses in vivo. J. Immunol. 167:5067-5076. (TC:167)
- 235 Mohamadzadeh, M., Berard, F., Essert, G., Chalouni, C., Pulendran, B., Davoust, J., Bridges, G., Palucka, A.K., and **Banchereau, J.** (2001). Interleukin 15 skews monocyte differentiation into dendritic cells with features of Langerhans cells. J.Exp.Med. 194:1013-20. (TC:79)
- 236 Gill, M.A., Blanco, P., Arce, E., Pascual, V., **Banchereau, J.**, and Palucka, A.K. (2002). Blood dendritic cells and DC-poietins in systemic lupus erythematosus. Human Immunology. 63:1172-1180.
- 237 Bennett, L., Palucka, A.K., Arce, E., Cantrell, V., **Banchereau, J.** & Pascual, V. (2003). Interferon and granulopoiesis signatures in systemic lupus erythematosus blood. J. Exp. Med. 197:711-23. (TC:213)
- 238 Chalouni, C., **Banchereau, J.**, Vogt, AB, Pascual, V., Davoust, J. (2003). Down-regulation of HLA-DO and HLA-DM in germinal center B cells. Int. Immunol. 15:457-466.
- 239 Chomarat, P., Dantin C., Bennett, L., **Banchereau, J.** and Palucka, A.K. (2003). TNF- α overcomes IL-6-mediated macrophage differentiation and promotes dendritic cells. J. Immunol. 171:2262-9. (TC: 46)
- 240 Jego, G., Palucka, A.K., Blanck, J.P., Chalouni, C., Pascual, V., and **Banchereau, J.** (2003). Plasmacytoid Dendritic cells induce plasma cell differentiation through type I interferon and interleukin-6. Immunity. 19:225-34. (TC:142)

- 241 Palucka, A.K., Gatlin, J., Blank, J.P., Melkus, M.W., Clayton, S., Ueno, H., Kraus, E.T., Cravens, P., Bennett, L., Padgett-Thomas, A., Marches, F., Islas-Ohlmayer, M., Garcia, J.V., and **Banchereau, J.** (2003). Human dendritic cell subsets in NOD/SCID mice engrafted with CD34+ hematopoietic progenitors. Blood. 102:3302-3310. (TC: 13)
- 242 Palucka, A.K., Dhodapkar, M.V., Paczesny, S., Burkeholder, S., Wittkowski, K.M., Steinman, R.M., Fay, J., and **Banchereau, J.** (2003). Single injection of CD34+ progenitor-derived dendritic cell vaccine can lead to induction of T cell immunity in patients with stage IV melanoma. J. of Immunotherapy. 26:432-439.
- 243 Neidhardt-Berard, E.M., Berard, F., **Banchereau, J.**, and Palucka, A.K. (2004). Dendritic cells loaded with killed breast cancer cells induce differentiation of tumor-specific cytotoxic T lymphocytes. Breast Cancer Research. 6:R322-R328.
- 244 Paczesny S, **Banchereau, J.**, Wittkowski, K.M., Saracino, G., and Fay J. (2004). Expansion of Melanoma-specific Cytolytic CD8+ T cell precursors in patients with metastatic melanoma vaccinated with CD34+ progenitor-derived dendritic cells. J Exp. Med. 199:1503-1511. (TC: 37)
- 245 Pulendran, B., Dillon S., Joseph, C., Curiel, T., **Banchereau, J.**, and Mohamadzadeh, M. (2004). Dendritic cells generated in the presence of GM-CSF plus IL-15 prime potent CD8+ Tc1 responses in vivo. Eur. J. Immunol. 34:66-73.
- 246 Ueno, H., Tcherepanova, I., Reygrobellet, O., Laughner, E., Ventura, C., and Palucka, A.K., and **Banchereau, J.** (2004). Dendritic cell subsets generated from CD34+ hematopoietic progenitors can be transfected with mRNA and induce antigen-specific cytotoxic T cell-responses. J. Immunol. Methods. 285:171-80.
- 247 **Banchereau, J.**, Ueno, H., Dhodapkar, M., Connolly, J., Finholt, J.P., Klechevsky, E., Blanck, J.P., Johnston, D.A., Palucka, A.K., and Fay, J. (2005). Immune and Clinical outcomes in patients with stage IV melanoma vaccinated with peptide-pulsed dendritic cells derived from CD34+ progenitors and activated with Type I Interferon. J. Immunother. September/October. 28:505-516.
- 248 Chaussabel, D., Allman, W., Mejas, A., Chung, W., Bennett, L., Ramilo, O., Pascual, V., Palucka, A.K., and **Banchereau, J.** (2005). Analysis of significance patterns identifies ubiquitous and disease-specific gene expression signatures in patient peripheral blood leukocytes. Annals of NY Acad. of Sciences. 1062:146-54.
- 249 Gill, M.A., Palucka, A.K., Barton, T., Ghaffar, F., Jafri, H., **Banchereau, J.**, and Ramilo, O. (2005). Sustained mobilization of plamacytoid and myeloid dendritic cells to mucosal sites in children with respiratory syncytial virus infection. J. Infectious Diseases. 191:1105-15. (TC:11).
- 250 Mathian, A., Weinberg, A., Gallegos, M., **Banchereau, J.**, and Koutouzov, S. (2005). Interferon-alpha induces early lethal lupus in pre-autoimmune (NZBxNZW) F1 but not in BALB/c, mice. J. Immunology. 174 :2499-506. (TC:21)
- 251 Paczesny, S., Shi, H., Saito, H., Mannoni, P., Fay, J., **Banchereau, J.**, and Palucka, A.K. (2005). Measuring melanoma-specific CTLs elicited by dendritic cell vaccines with a tumor inhibition assay in vitro. J. Immunotherapy. 28 :148-157.

- 252 Palucka, A.K., Blanck, J.-P., Bennett, L., Pascual, V., and **Banchereau, J.** (2005). Cross-regulation of TNF and IFN- α in autoimmune diseases. PNAS. 102 :3372-7. (TC:40).
- 253 Palucka, A.K., Connolly, J., Ueno, H., Kohl, J., Paczesny, S., Dhodapkar, M., Fay, J., and **Banchereau, J.** (2005). Spontaneous proliferation and type 2 cytokine secretion by CD4+ T cells in patients with metastatic melanoma vaccinated with antigen-pulsed dendritic cells. J. Clin. Immunol. 25:288-95.
- 254 Palucka, A.K., Dhodapkar, M., Paczesny, S., Ueno, H., Fay, J., and **Banchereau, J.** (2005). Boosting vaccinations with peptide-pulsed CD34+ progenitor derived dendritic cells can expand long-lived melanoma peptide-specific CD8+T cells in patients with metastatic melanoma. J. Immunotherapy. 28 :158-168.
- 255 Pascual, V., Allantaz, F., Arce, E., Punaro, M., and **Banchereau, J.** (2005). Role of interleukin-1 (IL-1) in the pathogenesis of systemic onset juvenile idiopathic arthritis and clinical response to IL-1 blockade. J. Exp. Med. 201 :1479-86. (TC:45).
- 256 Rolland, A., Guyon, L., Gill, M., Cai, Y-H, **Banchereau, J.**, McClain, K., and Palucka, A.K. (2005). Increased blood myeloid dendritic cells and DC-poietins in langerhans cell histiocytosis. J. Immunol. 174 :3067-71. (TC:9).
- 257 Fay, J.W., Palucka, A.K., Paczesny, S., Dhodapkar, M., Johnston, D.A., Burkeholder, S., Ueno, H., and **Banchereau, J.** (2006). Long-term outcomes in patients with metastatic melanoma vaccinated with melanoma peptide-pulsed CD34+ progenitor derived dendritic cells. Cancer Immunol Immunother. 55: 1209-18.
- 258 Piqueras, B., Connolly, J., Freitas, H., Palucka, A.K., and **Banchereau, J.** (2006). Upon viral exposure myeloid and plasmacytoid dendritic cells produce three waves of distinct chemokines to recruit innate and adaptive immune effectors. Blood. 107:2613-8 (TC:4).
- 259 Shi, H., Cao, T., Connolly, J.E., Monnet, L., Bennett, L., Chapel, S., Bagnis, C., Mannoni P., Davoust, J., Palucka, A.K., and **Banchereau, J.** (2006). Hyperthermia enhances CTL cross-priming. J. Immunol. 176:2134-41.
- 260 Palucka, A.K., Ueno, H., Connolly, J., Kerneis-Norvell, F., Blanck, J.P., Johnston, D.A., Fay, J., and **Banchereau, J.** (2006). Dendritic cells loaded with killed allogeneic melanoma cells can induce objective clinical responses and MART-1 specific CD8+T cell immunity. J. Immunother. 29:545-57.
- 261 Saito, H., Dubsky, P., Dantin, C., Finn, O.J., **Banchereau, J.**, and Palucka, A.K. (2006). Cross-priming of cyclin B1, MUC-1 and surviving specific CD8+ T cells by dendritic cells loaded with killed allogeneic breast cancer cells. Breast Cancer Research. 8:R65.
- 262 Allantaz, F., Chaussabel, D., Stichweh, D., Punaro, M., Bennett, Allman, W., Mejias, A., Ardura, M., Chung, W., Wise, W., Palucka, K., Ramilo, O., Punaro, M., **Banchereau, J.**, and Pascual, V. (2007). Blood Leukocyte Microarrays to Diagnose Systemic Onset Juvenile Idiopathic Arthritis and Follow the Response to IL-1 Blockade. J. Exp. Med. Sep 3;204(9):2131-44.
- 263 Aspod, C., Pedroza-Gonzales, A., Gallegos, M., Tindle, S., Burton, E.C., Su, D., Marches, F., **Banchereau, J.**, and Palucka, A.K. (2007). Breast cancer instructs dendritic cells to prime IL-13-secreting CD4+ T cells that facilitate tumor development. J. Exp. Med. 204:1037-47.

- 264 Cao, T., Ueno, H., Glaser, C., Fay, J.W., Palucka, A.K., and **Banchereau, J.** (2007). Both Langerhans cells and interstitial DCs derived from CD34+ T cells from metastatic melanoma patients through cross-presentation. European J. Immunol. 37:2657-2667.
- 265 Dubsky, P., Saito, H., Leogier, M., Dantin, C., Connolly, J.E., **Banchereau, J.**, and Palucka, A.K. (2007). IL-15-induced human dendritic cells efficiently prime low frequency melanoma-specific naïve CD8+T cells to differentiate into cytotoxic T cells. European Journal of Immunology. 37:1678-90.
- 266 Kaizer EC, Glaser CL, Chaussabel D, **Banchereau J**, Pascual V, White PC. (2007). Gene expression in peripheral blood mononuclear cells from children with diabetes. J Clin Endocrinol Metab. 92:3705-11. Epub 2007 Jun 26.
- 267 Ramilo, O., Allman, W., Chung, W, Mejias, A., Glaser, C., Wittkowski, K.M., Piqueras, B., Bennett, L., Pascual, V., **Banchereau, J.**, Palucka, and A.K., Chaussabel, D. (2007). Gene expression signatures in blood leukocytes permit differential diagnosis of acute infections. Blood. 109:2066-77.
- 268 Jiang A., Bloom, O, Ono, S., Cui, W., Unternaehrer, J., Jiang, S., Whitney, J.A., Connolly, J., **Banchereau, J.**, and Mellman, I. (*In Press*). Disruption of E-cadherin-mediated adhesion induces a functionally distinct pathway of dendritic cell maturation. Immunity.
- 269 Arce, E., Chalouni, C., **Banchereau, J** and Pascual V. (*Submitted*). Plasma Cell precursors in healthy and SLE blood. J. Immunol.
- 270 Chaussabel, D., Glaser, C., Shen, J, Patel, P., Stichweh, D., Bennett, L., Monnet, L., Allman, W., Allantaz, F., Mejias, A., Chung, W., Kaizer, E., Randall, H., Johnson, D., Lanier, A., Barnboym, E., Quiceno, A., Cush, J., Punaro, M., Wittkowski, K.M., White, P., Ramilo, O., Fay, J., Klintmalm, G., **Banchereau, J.**, Palucka, A.K., and Pascual, V. (*Submitted*). Fingerprinting Human Diseases with Composite Microarray Blood Markers.
- 271 Connolly, J.E., Gill, M.A., Xue, Y., Gautier, G., Ramilo, O., Colonna, M., and **Banchereau, J.** (*Submitted*). Respiratory syncytial virus renders dendritic cells tolerogenic.
- 272 DiPucchio, T., Chatterjee, B., Smed-Sorensen, A., Clayton, S., Palazzo, A., Pypaert, M., Mellman, I., **Banchereau, J.**, and Connolly, J.E. (*Submitted*). Plasmacytoid dendritic cells directly cross-present viral antigens to MHC class-I in a proteasome-independent fashion.
- 273 Klechevsky, E., Morita, R., Reiter, Y., Briere, F., Cao, Y., Palucka, K.A., **Banchereau, J.**, and Ueno, H. (*Submitted*). Cellular and Humoral Immunity are primed by different dendritic cell subsets.
- 274 Matsui, T., Connolly, J.E., Michnevitz, M., Chaussabel, D., Tindle, S., Freitas, H., Piqueras, B., **Banchereau, J.**, and Palucka, A.K. (*Submitted*). CD2 distinguishes two subsets of human plasmacytoid dendritic cells with distinct phenotype and functions.
- 275 Ueno, H., Connolly, J.E., Wittkowski, K.M., Nicewander, D., Vence, L., Reinherz, E.L., Palucka, A.K., and **Banchereau, J.** (*Submitted*). Rapid high-throughput assessment of antigen-specific human T cell repertoire.

- 276 Vence, L., Palucka, A.K., Connolly, J.E., Fay, J.W., Ito, T., Liu, Y-J., **Banchereau, J.**, and Ueno, H. (*Submitted*). Circulating tumor antigen-specific regulatory T cells in metastatic melanoma.

BOOK CHAPTERS AND REVIEWS

- 1 Agneray, J., Feger, J., Durand, G., Guenounou, M., Danois, D., and **Banchereau, J.** (1979). Mécanisme d'activations des lymphocytes par le periodate. Blastogénèse et induction de population immunomodulatrice. *C.R. Soc. Biol.*, pp. 247-260.
- 2 **Banchereau, J.**, Desoize, B., Leger, C., and Nahas, G. (1979). Inhibitory effects of d-9-YHC and other psychotropic drugs on cultured lymphocytes. *In Marijuana: biological effects. Advances in Biosciences.* Nahas and Paton, eds. Oxford, Pergamon Press, pp. 129-144.
- 3 Desoize, B., Nahas, G., Leger, C., and **Banchereau, J.** (1981). Cannabinoids and the immune system. *In Immunologic considerations in toxicology*, vol. II. Sharma, ed. Boca Raton, CRC Press, pp. 61-62.
- 4 Nahas, G., Leger, C., Desoize, B., and **Banchereau, J.** (1981). Inhibitory effects of psychotropic drugs on blastogenesis of cultured lymphocytes. *In Immunologic considerations in toxicology.* Sharma, ed. Boca Raton, CRC Press, pp. 83-91.
- 5 Roncarolo, M. G., Touraine, J. L., and **Banchereau, J.** (1984). In vivo and in vitro anti-tetanus toxoid antibody production in patients with HLA-mismatched T cells following fetal liver and thymus transplantation. *In Progress in Immunodeficiency Research and Therapy.* C. Griscelli and J. Vossen, eds. Amsterdam, Excerpta Medica, pp. 179-181.
- 6 **Banchereau, J.**, Aubry, J. P., and Defrance, T. (1985). Phenotypic changes during human B cell activation. Correlation with entry into cycle. *In Progress in Flow cytometry*, pp. 235-243.
- 7 **Banchereau, J.** (1986). Propriétés antivirales des interferons. *J. Pharm. Clin.* 5, 193-200.
- 8 **Banchereau, J.**, and Wijdenes, J. (1986). The multiple activities of interferon gamma. *In Markers Proteins in Inflammation.* Bienvenue, Grimaud and Laurent, eds. Berlin, Walter de Gruyter, pp. 551-569.
- 9 Aubry, J. P., Bonnefoy, J. Y., de Vries, J. E., and **Banchereau, J.** (1987). The CD23 antigen is the human lymphocyte receptor for IgE. *In Leukocyte Typing III.* McMichael, ed. Oxford University Press, pp. 417-419.
- 10 Yokota, T., Hagiwara, H., Takebe, Y., Otsuka, T., Miyajima, A., Meyerson, P., Hoy, P., Yokota, K., Coffman, R., Rennick, D., Mosmann, T., Howard, M., **Banchereau, J.**, de Vries, J. E., Arai, N., Lee, F., and Arai, K. (1987). Isolation and characterization of mouse and human cDNA clones encoding IL-4 and IgA-enhancing factor/eosinophil CSF (IL-5). *In Molecular basis of lymphokine action.* D. R. Webb, C. Pierce and S. Cohen, eds. Clifton, N.J., Humana Press, pp. 313.
- 11 Arai, N., Yokota, T., de Vries, J. E., **Banchereau, J.**, Takebe, Y., Lee, F., and Arai, K. (1988). Molecular biology of T cell-derived lymphokines: structure and biology of interleukin 4. *In Developments in Biological Standardization.* A. J. H. Gearing and W. Hennesen, eds. Karger, vol.69, pp. 57-63.

- 12 **Banchereau, J.**, and de Vries, J. E. (1988). Interleukine 4 et système IgE. Médecine et Hygiène. *46*, 960-964.
- 13 **Banchereau, J.**, Galizzi, J. P., Aubry, J. P., Cabrillat, H., Denoroy, M. C., Vallé, A., Vanbervliet, B., Zuber, C., and Defrance, T. (1988). Human interleukin 4. Its agonistic and antagonistic effects on human B lymphocytes and its receptors. *In* Topics in Immunology. Ninth European Immunology Meeting. Aiuti, Bonomo and Danieli, eds. Il Pensiero Scientifico, pp. 108-117.
- 14 Lee, F., Yokota, T., Chiu, C. P., De, V. J., **Banchereau, J.**, Arai, N., Coffman, R., Rennick, D., and Arai, K. (1988). The molecular cloning of interleukins 4, 5 and 6 : multifunctional hemopoietic growth factors. *In* Colony Stimulating Factors - CSF. B. Institute, ed. Mitteilungen, pp. 8-14.
- 15 Yokota, T., Arai, N., de Vries, J. E., Spits, H., **Banchereau, J.**, Zlotnick, A., Rennick, D., Howard, M., Takebe, Y., Miyatake, S., Lee, F., and Arai, K. I. (1988). Molecular biology of interleukin 4 and interleukin 5 genes and biology of their products that stimulate B cells, T cells and hemopoietic cells. Immunol. Rev. *102*, 137-187. **(TC:196)**
- 16 **Banchereau, J.** (1989). Lymphokine receptor interactions. Immunol. Today. *10*, 73-75.
- 17 Vallé, A., Garonne, P., Aubry, J. P., and **Banchereau, J.** (1989). Lymphokine regulation of the new 45-60 kD Ag 104 on human B lymphocytes. *In* Proceedings of the 4th International Workshop and Conference on Human Leucocyte Differentiation Antigens Vienna.
- 18 **Banchereau, J.** (1990). Biological properties of human interleukin 4. *In* Cytokines in hemopoiesis, oncology and AIDS. Freund, Link and Welte, eds. Springer Verlag, pp. 288-291.
- 19 **Banchereau, J.** (1990). Interleukine 4. Médecine/Sciences. *6*, 946-953.
- 20 **Banchereau, J.** (1990). Interleukin 4. Nucl. Med. Biol. *17*, 619-623.
- 21 **Banchereau, J.** (1990). Interleukine 5. Médecine/Sciences. *6*, 954-957.
- 22 **Banchereau, J.**, Defrance, T., Galizzi, J. P., Howard, M., Miossec, P., Miyajima, A., and Rousset, F. (1990). Human Interleukin 4: its agonistic and antagonistic effects on B lymphocytes and its receptor. *In* Cytokines: basic principles and clinical applications. S. Romagnani and A. K. Abbas, eds. New York, Serono Symposia Publications from Raven Press, vol. 68, pp. 177-188.
- 23 **Banchereau, J.**, and Galizzi, J. P. (1990). Receptors for IL-4, IL-5 and IL-6. *In* Lymphokines and interferons: from molecular biology to clinical trials. Annals of the Italian Health Institute. U. T. C. Peschle, ed., vol. 26, pp. 453-468.
- 24 Defrance, T., and **Banchereau, J.** (1990). Role of cytokines in the ontogeny, activation and proliferation of B lymphocytes. *In* Cytokines and B lymphocytes. R. E. Callard, ed. London, Academic Press, pp. 65-114.
- 25 **Banchereau, J.** (1991). Interleukin 4. *In* Immunology & Molecular Biology of Cytokines. A. W. Thomson, ed. London, Academic Press, pp. 119-148.
- 26 **Banchereau, J.** (1991). Human Interleukin 4. Bull. Cancer. *78*, 299-306.

- 27 **Banchereau, J.** (1991). Human interleukin-4 and its receptor. *In* Hematopoietic growth factors in clinical applications. R. Mertelsmann and F. Herrmann, eds. New York, Marcel Dekker, pp. 433-469.
- 28 **Banchereau, J.,** and Rousset, F. (1991). Growing human B lymphocytes in the CD40 system. Nature. 353, 678-679. (TC:145)
- 29 **Banchereau, J.,** and Rousset, F. (1991). Establishing long-term human B-cell lines. Clinical Immunology Spectrum. 3, 9-11.
- 30 **Banchereau, J.,** and Rousset, F. (1991). Functions of Interleukin-4 on human B lymphocytes. Immunol. Res. 10, 423-427.
- 31 Defrance, T., Fluckiger, A. C., Rossi, J. F., Rousset, F., and **Banchereau, J.** (1991). *In vitro* activation of B-CLL cells. Leukemia and Lymphoma Sup., 13-19.
- 32 Moore, K. W., Rousset, F., and **Banchereau, J.** (1991). Evolving principles in immunopathology: Interleukin-10 and its relationship to EBV protein BCRF1. Springer Sem. Immunopathol. 13, 157-166. (TC:30)
- 33 **Banchereau, J.** (1992). Interleukines et autres cytokines impliquées dans la réponse immunitaire et la réponse allergique. *In* 3ème Traité d'Allergologie. Charpin, Bach and Vervloet, eds. Paris, Flammarion, pp. 213-247.
- 34 **Banchereau, J.,** Blanchard, D., Brière, F., Lebecque, S., and Rousset, F. (1992). Activation of human B lymphocytes through their CD40 antigen or with T cells results in a different cytokine responsiveness. *In* New Advances on Cytokines. S. Romagnani, T. R. Mosmann and A. K. Abbas, eds. New York, Serono Symposia Publications, Raven Press, pp. 163-168.
- 35 **Banchereau, J.,** Brière, F., Defrance, T., Moreau, I., Saeland, S., and Rousset, F. (1992). Cytokines controlling human B-lymphocyte differentiation. *In* Eur. Biotech. Today - The Impact of Basic Sciences on Diagnosis and Therapy. F. Malavasi, R. Cortese and A. Albertini, eds. Intercept, pp. 113-119.
- 36 **Banchereau, J.,** Brière, F., and Rousset, F. (1992). Cytokines controlling human B lymphocyte differentiation: impact of the CD40 system. *In* Adv. Allergol. & Clin. Immunol. Godard, Bousquet and Michel, eds. NJ, Parthenon Publishing, pp. 15-22.
- 37 **Banchereau, J.,** and Rousset, F. (1992). Human B lymphocytes: phenotype, proliferation and differentiation. Adv. Immunol. 52, 125-262. (TC:197)
- 38 Merville, P., Pouteil-Noble, C., Wijdenes, J., Potaux, L., Touraine, J. L., and **Banchereau, J.** (1992). Use of Elispot assay for the detection of IFN-gamma, IL-6 and IL-10 in irreversibly rejected kidneys. *In* Transplantation and Clin. Immunol. J. L. Touraine, ed. New York, Elsevier, pp. 179-184.
- 39 Moreau, I., Duvert, V., Pandrau, D., **Banchereau, J.,** and Saeland, S. (1992). Growth and maturation requirements of human B cell precursors. Bone Marrow Transpl. 9, 62.
- 40 Saeland, S., Moreau, I., Duvert, V., Pandrau, D., and **Banchereau, J.** (1992). *In vitro* growth and maturation of human B-cell precursors. Curr. Top. Microbiol. Immunol. 182, 85-94.

- 41 **Banchereau, J.** (1993). Interleukine 4. *In* Les Cytokines. Cavaillon, ed. Paris, Masson, pp. 237-247.
- 42 **Banchereau, J.** (1993). Cytokines. Biofutur. *121*, 20-28.
- 43 **Banchereau, J.** (1993). Régulation de la synthèse des IgE. *In* Pathologie Respiratoire. Michel, Bousquet and Godard, eds. Paris, Masson, pp. 350-357.
- 44 **Banchereau, J.** (1993). Molecular analysis of microenvironment. Res. Immunol. *144*, 523-537.
- 45 **Banchereau, J.** (1993). Anticorps monoclonaux humains. *In* De la Recherche Oncologique à l'Innovation Thérapeutique John Libbey Eurotext, pp. 103-110.
- 46 **Banchereau, J.,** Blanchard, D., Brière, F., Galizzi, J. P., Garrone, P., Hermann, P., Lebecque, S., and Rousset, F. (1993). Role of cytokines in human B lymphocyte growth and differentiation. Nouv. Rev. Fr. Hematol. *35*, 61-66.
- 47 **Banchereau, J.,** and Miossec, P. (1993). Role of Interleukin 4 and Interleukin 5 in allergic diseases. *In* The Clinical Applications of Cytokines: Role in Pathogenesis, Diagnosis and Therapy. J. J. Oppenheim, J. Rossio and A. Gearing, eds. New York, Oxford University Press, pp. 245-250.
- 48 Brière, F., Bridon, J. M., Servet, C., Rousset, F., Zurawski, G., and **Banchereau, J.** (1993). IL-10 and IL-13 as B cell growth and differentiation factors. Nouv. Rev. Fr. Hematol. *35*, 233-235.
- 49 Caux, C., and **Banchereau, J.** (1993). TNFalpha enhances the CSF dependent growth of human hematopoietic progenitors and induces their differentiation into dendritic cells. *In* Negative Regulation of Proliferation and Hematopoietic Differentiation. A. Najman, M. Guigon and F. Lemoine, eds. John Libbey Eurotext Ltd, vol. 229, pp. 163-167.
- 50 Miossec, P., and **Banchereau, J.** (1993). Interleukin4: A potential anti-tumor and anti-inflammatory agent. *In* The Clinical Applications of Cytokines: Role in Pathogenesis, Diagnosis and Therapy. J. J. Oppenheim, J. Rossio and A. Gearing, eds. New York, Oxford University Press, pp. 171-176.
- 51 Rousset, F., Burdin, N., Vezzio, N., Péronne, C., Brière, F., and **Banchereau, J.** (1993). Interleukin 10 and human B lymphocytes. *In* The Epstein-Barr Virus and Associated Diseases. Tursz, J. S. Pagano, D. V. Ablashi, G. de Thé and G. Lenoir, eds. Colloque Inserm/John Libbey Eurotext Ltd., pp. 309-315.
- 52 **Banchereau, J.** (1994). Cytokines: structures and action. *In* Organ Transplantation and Tissue Grafting. P. Hervé, G. Rife, D. A. Vuitton, G. Dureau, P. Bechtel and E. Justrabo, eds. Paris, Inserm, pp. 169-182.
- 53 **Banchereau, J.** (1994). Interleukin 4. Forum: Trends Exp. Clin. Med. *4*, 514-532.
- 54 **Banchereau, J.,** Bazan, F., Blanchard, D., Brière, F., Galizzi, J. P., van Kooten, C., Liu, Y.-J., Rousset, F., and Saeland, S. (1994). The CD40 antigen and its Ligand. Annu. Rev. Immunol. *12*, 881-922. (TC:860)

- 55 **Banchereau, J.**, Blanchard, D., Brière, F., and Liu, Y.-J. (1994). Molecular control of B-cell immunopoiesis. *In Cells and cytokines in lung inflammation*. Ann. N.Y. Acad. Sci. M. Chignard, M. Pretolani, P. Renesto and B. B. Vargaftig, eds, 725, pp. 22-33.
- 56 **Banchereau, J.**, Brière, F., Caux, C., Fluckiger, A. C., Merville, P., and Rousset, F. (1994). Interleukin 10. *In Therapeutic Modulation of Cytokines*. B. Henderson and M. Bodmer, eds. London, CRC Monograph, pp. 317-331.
- 57 **Banchereau, J.**, Brière, F., Galizzi, J. P., Miossec, P., and Rousset, F. (1994). Human Interleukin 4. *J. Lip. Med.* 9, 43-53.
- 58 **Banchereau, J.**, Brière, F., Liu, Y.-J., and Rousset, F. (1994). Molecular control of B lymphocyte growth and differentiation. *Stem cells.* 12, 278-288. (TC:38)
- 59 **Banchereau, J.**, and Miossec, P. (1994). Role of Interleukin 4 and Interleukin 5 in allergic diseases. *In Clinical Applications of Cytokines : Role in Pathogenesis, Diagnosis and Therapy*. Chapter 32. J. J. Oppenheim, J. L. Rossio and A. J. H. Gearing, eds. New York, Oxford University Press, pp. 245-250.
- 60 **Banchereau, J.**, and Rybak, M. E. (1994). Interleukin 4. *In The Cytokine Handbook*, 2nd Edit. A. Thomson, ed. London, Acad. Press, pp. 99-126. (TC:60)
- 61 Caux, C., Burdin, N., Galibert, L., Hermann, P., Renard, N., Servet-Delprat, C., and **Banchereau, J.** (1994). Functional CD40 on B lymphocytes and dendritic cells. *Res. Immunol.* 145, 235-239.
- 62 Caux, C., Massacrier, C., Vanbervliet, B., Dezutter-Dambuyant, C., Schmitt, D., and **Banchereau, J.** (1994). TNFalpha enhances the CSF-dependent growth of human hematopoietic progenitors and induces their differentiation into dendritic cells. *In Molecular Biology of Haematopoiesis*. G. Abraham, R. K. Shaddock, A. S. Levine and F. Takaku, eds., vol.3, pp. 423-429.
- 63 Liu, Y.-J., Barthélémy, C., de Bouteiller, O., and **Banchereau, J.** (1994). The differences in survival and phenotype between centroblasts and centrocytes. *In In vivo Immunology*. E. Heinen, ed. New York, Plenum Press, pp. 213-218.
- 64 Liu, Y.-J., de Bouteiller, O., Arpin, C., Durand, I., and **Banchereau, J.** (1994). Five human mature B cell subsets. *In In vivo Immunology*. E. Heinen, M. P. Defresne, J. Boniver and V. Geenen, eds. New York, Plenum Press, pp. 289-294.
- 65 Miossec, P., and **Banchereau, J.** (1994). Interleukin 4: a potential antitumor and antiinflammatory agent. *In Clinical Applications of Cytokines: Role in Pathogenesis, Diagnosis and Therapy*. J. J. Oppenheim, J. L. Rossio and A. J. H. Gearing, eds. New York, Oxford University Press, Chapter 22, pp. 171-176.
- 66 Peyron, E., and **Banchereau, J.** (1994). Interleukin 4. Structure, function and clinical aspects. *Eur. J. Dermatol.* 4, 181-188.
- 67 Salmon-Ehr, V., Gillery, P., Kalis, B., **Banchereau, J.**, and Maquart, F. X. (1994). L'interleukine 4 : du lymphocyte B au fibroblaste. *Path. Biol.* 42, 262-268.

- 68 van Kooten, C., Rousset, F., Seon, B. K., Blanchard, D., and **Banchereau, J.** (1994). Induction of B-cell proliferation by workshop mAb presented by CDw32-transfected L cells. *In* Leukocyte Typing V. Schlossman, ed. Oxford, Oxford University Press.
- 69 **Banchereau, J.** (1995). Converging and diverging properties of human interleukin-4 and interleukin-10. *In* Behring Inst. Mitt. F. R. Seiler and H. G. Schwick, eds. Marburg, Germany, vol. 96, pp. 58-77. (TC:38)
- 70 **Banchereau, J.** (1995). Molecules controlling B-lymphocyte growth and differentiation. *In* Contribution to Nephrology Basel, Karger, vol. 3, pp. 55-59.
- 71 **Banchereau, J.,** Dubois, B., Fayette, J., Burdin, N., Brière, F., Miossec, P., Risoan, M. C., van Kooten, C., and Caux, C. (1995). Functional CD40 antigen on B cells, dendritic cells and fibroblasts. *In* Dendritic Cells in Fundamental and Clinical Immunology. J. Banchereau and D. Schmitt, eds. New York, Plenum Press, vol. 2, pp. 79-83.
- 72 **Banchereau, J.,** and Saeland, S. (1995). Interleukin 4. *In* Growth Factors and Cytokines in Health and Disease - Vol. II: Cytokines: Interleukin 4. D. LeRoith and C. Bondy, eds. Greenwich, CT, JIAI Press, Inc.
- 73 Brière, F., and **Banchereau, J.** (1995). Interleukin 10 and B lymphocytes. *In* Molecular Biology Intelligence Unit. J. E. de Vries and R. de Waal Malefyt, eds. New York, Landes Pub. Comp., pp. 29-34.
- 74 Brière, F., Defrance, T., Vanbervliet, B., Bridon, J. M., Durand, I., Rousset, F., and **Banchereau, J.** (1995). Transforming growth factor beta (TGF β) directs IgA1 and IgA2 switching in human naïve B cells. *In* Advances in Mucosal Immunology. 7th Int. Congr. Mucosal Immunol. J. Mestecky, ed. New York, Plenum Press, pp. 21-26.
- 75 Caux, C., Liu, Y.-J., and **Banchereau, J.** (1995). Recent advances in the study of dendritic cells and follicular dendritic cells. *Immunol. Today*. 16, 2-4. (TC:166)
- 76 Caux, C., Vanbervliet, B., Massacrier, C., Dubois, B., Dezutter-Dambuyant, C., Schmitt, D., and **Banchereau, J.** (1995). Characterization of human CD34⁺ derived Dendritic/Langerhans cells (D-Lc). *In* Dendritic Cells in Fundamental and Clinical Immunology. J. Banchereau and D. Schmitt, eds. London, Plenum Press, vol. 2, pp. 1-5.
- 77 Dechanet, J., Liu, Y.-J., and **Banchereau, J.** (1995). Mécanismes moléculaires contrôlant la croissance et la différenciation des lymphocytes B. *In* Immunodulation. J. M. Mencia-Huerta and S. Chouaib, eds., pp. 111-124.
- 78 Dubois, B., Fayette, J., Vanbervliet, B., **Banchereau, J.,** Brière, F., and Caux, C. (1995). Human dendritic cells enhance growth and differentiation of CD40 activated B cells. *In* Dendritic Cells in Fundamental and Clinical Immunology. J. Banchereau and D. Schmitt, eds. New York, Plenum Press, vol. 2, pp. 397-399.
- 79 Fayette, J., Dubois, B., Caux, C., **Banchereau, J.,** and Brière, F. (1995). Human dendritic cells can drive CD40-activated sIgD⁺ B cells to mount mucosal-type humoral response. *In* Dendritic Cells in Fundamental and Clinical Immunology. J. Banchereau and D. Schmitt, eds. New York, Plenum Press, vol. 2, pp. 401-403.

- 80 Grouard, G., de Bouteiller, O., Barthélémy, C., **Banchereau, J.**, and Liu, Y.-J. (1995). Human follicular dendritic cells promote both proliferation and differentiation of CD40 activated B cells. *In Dendritic Cells in Fundamental and Clinical Immunology*. J. Banchereau and D. Schmitt, eds. New York, Plenum Press, vol. 2, pp. 337-340.
- 81 Grouard, G., de Bouteiller, O., Barthélémy, C., Lebecque, S., **Banchereau, J.**, and Liu, Y.-J. (1995). Regulation of human B cell activation by follicular dendritic cell and T cell signals. Curr. Topics Microbiol. Immunol. *201*, 106-117.
- 82 Visco, V., **Banchereau, J.**, and Lebecque, S. (1995). Allergen specific human monoclonal IgG antibodies inhibit the Bet v 1-induced degranulation of basophils from birch pollen sensitive patients. *In XVI European Congress of Allergology and Clinical Immunology, ECACT'95*. A. Basomba and M. D. Hernandez F. de Rojas, eds. Monduzzi Editore, pp. 99-103.
- 83 Visco, V., **Banchereau, J.**, and Lebecque, S. (1995). Human IgG monoclonal antibodies which interfere with the IgE-binding to birch pollen Bet v 1. *In XVI European Congress of Allergology and Clinical Immunology*. A. Basomba and M. D. Hernandez F. de Rojas, eds. Monduzzi Editore, pp. 95-98.
- 84 Wettendorff, M., Massacrier, C., Vanbervliet, B., Urbain, J., **Banchereau, J.**, and Caux, C. (1995). Activation of primary allogeneic CD8⁺ T cells by dendritic cells generated in vitro from CD34⁺ cord blood progenitor cells. *In Dendritic Cells in Fundamental and Clinical Immunology*. J. Banchereau and D. Schmitt, eds. London, Plenum Press, vol. 2, pp. 371-374.
- 85 **Banchereau, J.** (1996). Cytokines: Structure and Action. *In Research in Organ Transplantation and Tissue Grafting*. P. Herve, G. Rife, D. Vuitton, G. Dureau, P. Bechtel, and E. Justrabo, eds. INSERM/John Libbey & Company Ltd., pp. 145-156.
- 86 **Banchereau, J.** (1996). Interleukine 4. *In Les Cytokines*. Masson, pp. 155-165.
- 87 **Banchereau, J.**, Brière, F., Caux, C., Fluckiger, A. C., Merville, P., and Rousset, F. (1996). Interleukin 10. *In Therapeutic Modulation of Cytokines*. B. Henderson and M. Bodmer, eds. London, CRC Monograph, pp. 317-331.
- 88 **Banchereau, J.**, Garrone, P., and Liu, Y.-J. (1996). Regulation of peripheral B cell growth and differentiation. *In Blood Cell Biochemistry*, Vol. 7. T. Whetton and J. Gordon, eds. London, Plenum Press. Chap. 10, pp. 241-262.
- 89 Brière, F., Malisan, F., Servet-Delprat, C., and **Banchereau, J.** (1996). Interleukin-10 modulates the growth, differentiation and isotype switch of activated B lymphocytes. *In Cytokine Regulation of Immunoglobulin Synthesis and Class Switching*. C. M. Snapper, ed. J. Wiley & Sons Ltd., pp. 273-287.
- 90 Caux, C., and **Banchereau, J.** (1996). In vitro regulation of dendritic cell development and function. *In Blood Cell Biochemistry*. T. Whetton and J. Gordon, eds. London, Plenum Press. Chap. 11, pp. 263-301.
- 91 Caux, C., Vanbervliet, B., Massacrier, C., Dubois, B., de Saint-Vis, B., Fayette, J., Rissoan, M.C., Briere, F., Lebecque, S., Rousset, F., Dezutter-Dambuyant, C., and **Banchereau, J.** (1996). *In vitro* regulation of development and function of dendritic cells. Hematol. Cell. Ther. *38*, 463.

- 92 Chomarat, P., and **Banchereau, J.** (1996). Interleukine 4. Biotech. Medecine. 9-16.
- 93 Garrone, P., Galibert, L., Arpin, C., Burdin, N., Yong-Jon, L., and **Banchereau, J.**, (1996). Studies of positive and negative selection of human B lymphocytes in vitro. Immune Tolerance. pp. 59-71.
- 94 Liu, Y.-J., and **Banchereau, J.** (1996). The paths and molecular controls of peripheral B cell development. The Immunologist. 4, 55-66.
- 95 Liu, Y.-J., and **Banchereau, J.** (1996). Mutant mice without B lymphocyte follicles. J. Exp. Med. 184, 1207-1211. (TC:42)
- 96 Liu, Y.-J., Arpin, C., de Bouteiller, O., Guret, C., **Banchereau, J.**, Martinez-Valdez, H., and Lebecque, S. (1996). Sequential triggering of apoptosis, somatic mutation and isotype switch during germinal center development. Seminar Immunol. 8, 169-177.
- 97 Liu, Y.-J., Grouard, G., de Bouteiller, O., and **Banchereau, J.** (1996). Follicular dendritic cells and germinal centers. *In* Int. Rev. Cytology. K. W. Jeon, ed. San Diego, Academic Press. pp 139-179. (TC:84)
- 98 Martinez-Valdez, H., Malisan, F., de Bouteiller, O., Guret, C., **Banchereau, J.**, and Liu, Y.-J. (1996). Molecular evidence that in vivo isotype switching occurs within the germinal centres. *In* Annals NY Acad. Sci. P. Casali and L. Silberstein, eds. New York, New York Acad. Sci. Press, vol. 764, pp. 151-155.
- 99 Quiding-Järbrink, M., Eriksson, K., Lakew, M., Butcher, E., **Banchereau, J.**, Lazarovits, A., Holmgren, J., and Czerkinsky, C. (1996). Generalized and compartmentalized mucosal immune responses in humans: cellular and molecular aspects. *In* Essentials of Mucosal Immunology. M. F. Kagnoff and H. Kiyono, eds. Academic Press, pp. 477-487.
- 100 Schwartz, R. H., and **Banchereau, J.** (1996). Immune tolerance. The Immunologist. 4, 211-218.
- 101 van Kooten, C., and **Banchereau, J.** (1996). CD40-CD40 ligand, a multifunctional receptor-ligand pair. Adv. Immunol. 61, 1-77. (TC:176)
- 102 van Kooten, C., and **Banchereau, J.** (1996). Immune regulation by CD40-CD40L interactions. Frontiers in Bioscience. 1, 358-368.
- 103 Arpin, C., de Bouteiller, O., Razanajaona, D., Brière, F., **Banchereau, J.**, Lebecque, S., and Liu, Y.-J. (1997). Human peripheral B cell development: sIgM-IgD⁺CD38⁺ hypermutated germinal center centroblasts preferentially express Igλ light chain and have undergone μ to κ switch. *In* Annals of the New York Academy of Sciences, vol. 815, pp. 193-198.
- 104 **Banchereau, J.** (1997). Dendritic cells: therapeutic potentials. Transfus. Sci. 18, 313-326.
- 105 **Banchereau, J.**, Galibert, L., Arpin, C., Burdin, N., Liu, Y.-J., and Garrone, P. (1997). Positive and negative selection of human B lymphocytes in vitro. *In* Annals of the New York Academy of Sciences. 815, 237-245.
- 106 **Banchereau, J.** and Saeland, S. (1997). Interleukin-4. Growth Factors and Cytokines in Health and Disease. 2-A, 85-142.

- 107 Burdin, N., Rousset, F., and **Banchereau, J.**, (1997). B-Cell derived IL-10: Production and Function. Methods. *II*, 98-111. (TC:37)
- 108 Brière, F., and **Banchereau, J.** (1997). Polyclonal activation of human mature B lymphocytes. *In Handbook of Experimental Immunology* (5th Edition). L.A. Herzenberg, D.M. Weir, L.A. Herzenberg, and C. Blackwell, eds. Oxford, Blackwell Scientific Publication, vol IV, section 33, pp. 224.1-224.12.
- 109 Chomarat, P., and **Banchereau, J.** (1997). An update on interleukin-4 and its receptor. European Cytokine Network. *8*, 333-344. (TC:69)
- 110 Liu, Y.-J., and **Banchereau, J.** (1997). Human peripheral B cell subsets. *In Handbook of Experimental Immunology*. (5th Edition). D. Weir, C. Blackwell and L. Hersenberg, eds. Oxford, Blackwell Scientific, vol III, section 15, pp. 93.1-93.9.
- 111 Liu, Y.-J. and **Banchereau, J.** (1997). Regulation of B cell commitment to plasma cells or to memory B cells. Seminars in Immunology. *9*, 235-240.
- 112 Pascual, V., Liu, Y.-J., and **Banchereau, J.** (1997). Normal human B cell sub-populations and their malignant counterparts. Bailliere's Clinical Haematology. *10*, 525-538.
- 113 Pascual, V., Wilson, P., Liu, Y.-J., **Banchereau, J.**, and Capra, J. D. (1997). Biased VH4 gene segment repertoire in the human tonsil. Chem. Immunol. *67*, 45-57.
- 114 Saeland, S., and **Banchereau, J.** (1997). The role of Interleukin-4 in normal and malignant human hematopoiesis, 2nd Edition. *In Colony Stimulating Factors, Molecular and Cellular Biology*. J. Garland, P. Quesenberry and D. Hilton, eds. New York, Marcel Dekker, chapter 15, pp. 315-345.
- 115 van Kooten, C. and **Banchereau, J.** (1997). Functions of CD40 on B cells, dendritic cells and other cells. Current Opinion in Immunol. *9*, 330-337. (TC:247)
- 116 van Kooten, C. and **Banchereau, J.** (1997). Functional role of CD40 and its ligand. Int Arch Allergy Immunol. *113*, 393-399. (TC:67)
- 117 **Banchereau, J.**, and Briere, F. (1998). CD40 and its Ligand. *In Encyclopedia of Immunology* (2nd Edition). P.J. Delves and I. Roitt, eds. London, Academic Press.
- 118 **Banchereau, J.**, and Palucka, K. (1998). Dendritic cells: directors of the immune system orchestra. BUMC Proceedings. *11*, 220-226.
- 119 **Banchereau, J.**, and Steinman, R.M. (1998). Dendritic cells and the control of immunity. Nature. *392*, 245-252. (TC:5271)
- 120 Caux, C., Dezutter-Dambuyant, C., Liu, Y.-J. and **Banchereau, J.** (1998). Isolation and propagation of human dendritic cells. *In Methods in Microbiology*. S. Kaufmann and D. Kabelitz, eds. London, Acad. Press. *25*, 505-538.
- 121 Chomarat, P., and **Banchereau, J.** (1998). Interleukin-4 and interleukin-13: their similarities and discrepancies. Int. Rev. Immunol. *17*, 1-52.

- 122 Chomarat, P., Rybak, M.E., and **Banchereau, J.** (1998). Interleukin 4. *In* Cytokine Handbook, 3rd Edition, Academic Press. pp. 133-174.
- 123 Fossiez, F., **Banchereau, J.**, Murray, R., van Kooten, C., Garrone, P., and Lebecque, S. (1998). IL-17. International Rev of Immunol. *16*, 541-551.
- 124 Wilson, P., Liu, Y.-J., **Banchereau, J.**, Capra, J.D., and Pascual, V. (1998). Amino acid insertions and deletions contribute to diversify the human Ig repertoire. Immunological Reviews. *162*, 143-151.
- 125 Valenta, R., Almo, S., Ball, T., Dolecek, C., Steinberger, P., Laffer, S., Eibensteiner, P., Flicker, S., Vrtala, S., Kraft, D., Spitzauer, S., Valent, P., Lebecque, S., Denepoux, S., and **Banchereau, J.** (1998). The immunoglobulin E-allergen interaction: A possible target for therapy of type I allergic diseases. International Archives of Allergy and Immunology. *116*, 167-176. (TC:27)
- 126 **Banchereau, J.**, and Steinman, R.M. (1999). Introductory chapter. *In* Dendritic Cells: Biology and Clinical Applications. M.T. Lotze and A.W. Thomson, eds. London, Academic Press. pp. xxiii-xxvii.
- 127 Bell, D., Young, J.W. and **Banchereau, J.** (1999). Dendritic cells. Adv Immunol. *72*, 255-324. (TC:216)
- 128 Briere, F., Caux, C., Dubois, B., Fayette, J., Vandenabeele, S., and **Banchereau, J.** (1999). Interactions between dendritic cells and B lymphocytes. M.T. Lotze and A.W. Thomson, eds. London, Academic Press, Chapter 15, pp. 269-280.
- 129 Caux, C., Lebecque, S., Liu, Y.-J., and **Banchereau, J.** (1999). Development pathways of human myeloid dendritic cells. M.T. Lotze and A.W. Thomson, eds. London, Academic Press, Chapter 5, pp. 63-92.
- 130 Dubois, B., Bridon, J.-M., Fayette, J., Barthelemy, C., **Banchereau, J.**, Caux, C. and Briere, F. (1999). Dendritic cells directly modulate B cell growth and differentiation. J. Leukoc. Biol. *66*, 224-230. (TC:43)
- 131 Palucka, K., and **Banchereau, J.** (1999). Dendritic cells: a link between innate and adaptive immunity. J. Clin. Immunol. *19*, 12-25. (TC:80)
- 132 Palucka, K.A., and **Banchereau, J.** (1999). Linking innate and adaptive immunity. Nature Medicine. *5*, 868-870. (TC:45)
- 133 Palucka, A.K., Fay, J., and **Banchereau, J.** (1999). Dendritic cells and tumor immunity. Current Drugs. *1*, 282-290.
- 134 **Banchereau, J.**, Briere, F., Caux, C., Davoust, J., Lebecque, S., Liu, Y.-J., Pulendran, B., and Palucka, K. (2000). Immunobiology of Dendritic Cells. Annu Rev Immunol. *18*:767-811. (TC:2094)
- 135 **Banchereau, J.**, Pulendran, B., Steinman, R., and Palucka, K. (2000). Will the making of plasmacytoid dendritic cells in vitro help unravel their mysteries? J. Exp. Med. *192*:F39-F44. (TC:25)

- 136 Davoust, J., and **Banchereau, J.** (2000). Naked antigen-presenting molecules on dendritic cells. Nature Cell Biol. 2:E46-E48.
- 137 Van Kooten, C., and **Banchereau, J.** (2000). CD40-CD40 ligand. J. Leukoc Biol. 67:2-17. **(TC:393)**
- 138 **Banchereau, J.,** Palucka, A. (2001). Dendritic cells and cancer Immunization: Progress in Oncology 2001. Eds.De Vita, Hellman and Rosenberg. Sudbury, MA, Jones and Bartlett Publishers, Inc. Chapter 3, pp. 29-45.
- 139 **Banchereau, J.,** Schuler-Thurner, B., Palucka, A.K., and Schuler, G. (2001). Dendritic cells as vectors for therapy. Cell. 106:271-274. **(TC:204)**
- 140 Nestle, F.O., **Banchereau, J.,** and Hart, D. (2001). Dendritic cells: On the move from bench to bedside. Nat. Med. 7:761-5. **(TC:162)**
- 141 Pulendran, B., Maraskovsky, E., **Banchereau, J.,** Maliszewski, C. (2001). Modulating immune responses with dendritic cell subsets. Trends in Immunology. 22:41-47. **(TC:157)**
- 142 Pulendran, B., Palucka, K., **Banchereau, J.** (2001). Sensing pathogens and tuning immune responses with dendritic cells. Science. 293:253-256. **(TC:181)**
- 143 Briere, F., Dubois, B., Fayette, J., Vandenabeele, S., Caux, C., **Banchereau, J.** A direct role of dendritic cells in the regulation of humoral response. (2001). **Dendritic cells in biology and clinical applications. Volume II.** M.T. Lotze and A.W. Thomson, eds. Academic Press. 255-261.
- 144 Pulendran, B., Palucka, A., **Banchereau, J.** Dendritic cells in the spleen and lymph nodes. (2001). **Dendritic cells in biology and clinical applications. Volume II.** M.T. Lotze and A.W. Thomson, eds. Academic Press. 357-370.
- 145 **Banchereau, J.** (2002). The Long Arm of the Immune System. Scientific American. 287:52-59.
- 146 Palucka, A.K., **Banchereau, J.,** Caux, C., Dezutter-Dambuyant, C., and Liu, Y.-J. (2002). Isolation and propagation of human dendritic cells. In Methods in Microbiology, Stefan HE Kaufmann & Dieter Kabelitz, eds. Acad. Press. Vol. 32, pp. 591-620.
- 147 Palucka, K. & **Banchereau, J.** (2002). How dendritic cells and microbes interact to elicit or subvert protective immune responses. Current Opinion in Immunology. 14:420-431. **(TC:92)**
- 148 Palucka, A.K., **Banchereau, J.,** Blanco, P., and Pascual, V. (2002). The interplay of dendritic cell subsets in systemic lupus erythematosus. Immunology and Cell Biology. 80:484-8.
- 149 **Banchereau, J.,** Paczesny, S., Blanco, P., Bennett, L., Pascual, V., Fay, J. and Palucka, A.K. (2003). Dendritic cells: Controllers of the immune system and a new promise for immunotherapy. Ann. N.Y. Acad. Sci. 987:180-187.
- 150 **Banchereau, J.,** Palucka, A.K. (2003). Dendritic cells in the lung. In: Therapeutic Targets in Airway Inflammation, N. Tony Eissa and David P. Huston, eds. Marcel Dekker. Vol. 177, pp. 281-297.

- 151 Pascual, V., **Banchereau, J.**, and Palucka, A.K. (2003). The central role of dendritic cells and interferon-alpha in SLE. Current Opinion in Rheumatology. 15:548-56. (TC:56)
- 153 **Banchereau, J.**, Fay, J., Pascual, V., and Palucka, A. (2003). Dendritic Cells: Controllers of the immune system and a new promise for immunotherapy. Novartis Foundation Symposium. 252 :226-35.
- 154 Paczesny, S., Ueno, H., Fay, J., and **Banchereau, J.**, and Palucka, A.K. (2003). Dendritic cells as vectors for immunotherapy of cancer. Seminars in cancer biology. 13:439-447.
- 155 **Banchereau, J.**, Pascual, V., Palucka, A.K. (2004). Autoimmunity through cytokine-induced dendritic cell activation. Immunity. 20 :539-50. (TC:99)
- 156 **Banchereau, J.**, Fay, J., Paczesny, S., Ueno, H., Dhodapkar, M., and Palucka, A.K. (2004). Dendritic cells as melanoma vaccines. *Brown F, Petricciani J (eds) : Development of Therapeutic Cancer Vaccines*. Dev. Biol. Basel, Karger. 116 :147-156.
157. Banchereau, J., and Palucka, A.K. (2005). Dendritic cells as therapeutic vaccines in cancer. Nat Rev. Immunol. 5:296-306. (TC:160).
- 158 Chaussabel, D., and **Banchereau, J.** (2005). Dendritic cells, therapeutic vectors of immunity and tolerance. Am. J. Transplant. 5:205-6.
- 159 Dubsky, P., Ueno, H., Piqueras, B., Connolly, J., **Banchereau, J.**, and Palucka, A.K. (2005). Human Dendritic Cell Subsets for Vaccination. J. Clin. Immunology. 25:551-72.
160. Jego, G., Pascual, V., Palucka, A.K., and **Banchereau, J.** (2005). Dendritic cells control B cell growth and differentiation. Curr Dir Autoimmun. 8:124-139.
161. Palucka, A.K., Laupeze, B., Aspod, C., Saito, H., Jego, G., Fay, J., Paczesny, S., Pascual, V., and **Banchereau, J.** (2005). Immunotherapy via dendritic cells. Adv. Exp. Med. Biol. 560:105-14.
162. Palucka, A.K. and **Banchereau, J.** (2006). Langerhans Cells: daughters of monocytes. Nature Immunol. 7:223-4.
163. Pascual, V., Farkas, L., **Banchereau, J.** (2006). Systemic Lupus Erythematosus: all roads lead to type I interferons. Current Opinion in Immunol. September 29; [Epub ahead of print].
164. **Banchereau, J.** and Pascual, V. (2006). Type I interferon in systemic lupus erythematosus and other autoimmune diseases. Immunity. 25: 383-392.
165. **Banchereau, J.** (2006). A conversation with Michael Ramsay, M.D., President of Baylor Research Institute. Proc (Bayl Univ Med Center). 19:347-62.
166. Blanco, P., Palucka, A.K., Pascual, V., and **Banchereau, J.** (*In Press*). Dendritic cells and cytokines in human inflammatory and autoimmune diseases. J. of Interferon and cytokine research. Review.
167. Ueno, H., Klechevsky, E., Morita, R., Aspod, C., Cao, T., Matsui, T., Di Pucchio, T., Connolly, J., Fay, J.W., Pascual, V., Palucka, A.K., and **Banchereau, J.** (2007). Dendritic cell subsets in health and disease. Immunological Reviews. 219:118-142.
168. Allantaz, F., Chaussabel, D., **Banchereau, J.** and Pascual, V. (*Submitted*). Microarray-based identification of novel biomarkers in IL-1 mediated diseases. Current Opinion Immunology.

169. Pascual, V., Farkas, L., and **Banchereau, J.** (2006) Systemic lupus erythematosus: all roads lead to type I interferons. Curr Opin Immunol
170. Steinman, R.M. and **Banchereau, J.** (2007) Taking dendritic cells into medicine. Nature 449:419-426.
171. Aspod, C., Gallegos, M., Marches, F., **Banchereau, J.** and Palucka, A.K. (*Submitted*) OncoHumouse reveals how breast cancer subverts human immune responses.
172. Palucka, A.K., Ueno, H., Fay, J.W. and **Banchereau, J.** (*Accepted*) Taming cancer by inducing immunity via dendritic cells. Immunological Reviews