ANDREA CERUTTI, M.D., Ph.D.

CURRICULUM VITAE

October 26th, 2024

METRICS (from Scopus)

Publications	**158**
h-index	**60**
Citations	**13,475**

CAREER INTERRUPTIONS

2017-2018	Hospitalization and rehabilitation following traumatic brain injury

ACADEMIC APPOINTMENTS

2023-present	Adjunct Professor, Icahn School of Medicine at Mount Sinai, New York, NY
2010-present	ICREA Research Professor, Catalan Institute for Research and Advanced Studies (ICREA), Biomedical Research Park of Barcelona, Barcelona, Spain
2009-2022	Professor, Department of Medicine, Icahn School of Medicine at Mount Sinai, New York, NY **(part-time)**
2009	Tenure, Department of Pathology and Laboratory Medicine, Weill Medical College of Cornell University, New York, NY
2006-2009	Associate Professor, Department of Pathology and Laboratory Medicine, Weill Medical College of Cornell University, New York, NY
2003-2009	Faculty Member, Immunology Graduate Program, Weill Graduate School of Medical Sciences, New York, NY
2000-2005	Assistant Professor, Department of Pathology and Laboratory Medicine, Weill Medical College of Cornell University, New York, NY
1998-2000	Visiting Assistant Professor, Department of Pathology and Laboratory Medicine, Weill Medical College of Cornell University, New York, NY
1997-1998	Senior Research Associate, Department of Pathology and Laboratory Medicine, Weill Medical College of Cornell University, New York, NY

HOSPITAL APPOINTMENTS

1993-1994	Assistant Director, Laboratory of Hematology and Immunology, Padua Type "A" Military Hospital, Padua, Italy

EDUCATION

2013	PhD, Biomedical Sciences, Thesis: "Regulation and Function of immunoglobulin D". Department of Biomedical Sciences, Pompeu Fabra University, Barcelona, Spain
2002	USMLE Step 1
2000	USMLE Step 2
1997	Specialty, Hematology. Thesis: "CD5 and CD72 counter-receptors deliver a critical signaling activity in normal and leukemic B cells" (summa cum laude). Department of Medicine, Padua University School of Medicine, Padua, Italy
1996-1997	Postdoctoral Fellow, Department of Pathology and Laboratory Medicine, Weill Medical College of Cornell University, New York, NY
1991-1995	Resident, Department of Clinical and Experimental Medicine, Padua University School of Medicine, Padua, Italy
1990	Medical Degree. Thesis: "Ultrastructural study of rare undifferentiated acute leukemias" (summa cum laude). Department of Pediatrics, Division of Hematology, Padua University School of Medicine, Padua, Italy
1989-1990	Intern, Department of Pediatrics, Division of Hematology and Oncology, Padua University School of Medicine, Padua, Italy

CERTIFICATION

1997	Hematology, 05/13/1997, Padua University School of Medicine, Padua, Italy
1991	Medicine, 09/11/1990, Padua University School of Medicine, Padua, Italy

LICENSURE

1997	Hematology, 05/13/1997, Italy, # M08570-SS
1991	Medicine, 12/03/1991, Italy, # 3678

HONORS, AWARDS, PATENTS

- Patents

2014 Inventor, US8828394 B2; Methods for treating IgE-mediated disorders

- Honors

2010-present Associate Editor, *Mucosal Immunology*
2009-present Member, *American Society of Clinical Investigation*
2009-2012 Section Editor, *The Journal of Immunology*
2006-2009 Associate Editor, *The Journal of Immunology*
2006-present Member, *Henry Kunkel Society*, The Rockefeller University, New York, NY

- Awards

2013 Recipient, *Innovation Award*, Kenneth Rainin Foundation, New York, NY
2007 Recipient, *Irma T. Hirschl Career Scientist Award*, The Irma T. Hirschl Trust, New York, NY
2006 Recipient, *Award for Excellence in Mentoring*, Weill Medical College Postdoctoral Association, New York, NY
2000 Recipient, *Travel Award*, American Association of Immunologists, Rockville, MD
1999 Recipient, *Career Development Award*, The S.L.E. Foundation, New York, NY
1998 Recipient, *Lorenza Ceschiatti Prize for Research in Oncology*, Trento, Italy
1995 Recipient, *"Young Scientists" Prize*, Italian Association of Immunology and Immunopathology, Bari, Italy

OTHER PROFESSIONAL APPOINTMENTS

- **Elected positions in professional societies**

2008-present Member, *Society for Mucosal Immunology*
2002-2010 Member, *American Association of Hematologists*
1998-present Member, *American Association of Immunologists*

- **Appointed membership to editorial boards**

2010-present Associate Editor, *Mucosal Immunology*, Birmingham, AL
2008-2012 Section Editor, *The Journal of Immunology*, Rockville, MD
2004-2008 Associate Editor, *The Journal of Immunology*, Rockville, MD

- **Intramural and extramural committees**

Reviewer, grants submitted to NIH

NIAID, ZAI1 PTM-A (M4), U19 applications (04/15/10-04/16/10)
NIAID, ZAI1 SRC (99), U19 applications (12/04/08-12/05/09)
NIAID, 2008/10 AIP, R01 applications (07/11/08-07/11/08)
NIAID, ZAI1-KS-I-S2, P01 application (05/19/08-05/19/08)
NIAID, ZAI1-KS-I-S1, P01 application (08/14/07-08/14/07)
NIAMS, ZRG1 F07-L, F31, F32, R15 applications (02/15/07-02/16/07)
NIAMS, ZRG1 F07-L, F31, F32, R15 applications (10/19/06-10/20/06)
NIAMS, ZRG1 F07-L, F31, F32, R15 applications (03/02/06-03/03/06)

NIAMS, ZRG1 F07-L, F31, F32, R15 applications (10/27/05-10/28/05)
NIAMS, ZAR1 EHB-G O1, R03 applications (09/06/05)
NIAMS, ZRG1 MOSS-D, R41, R43, R44 applications (03/04/05)
NIAMS, ZAR1 AAA-D, R01 applications (06/17/04)
NIAMS, RFA AR03-005, R01 applications (09/02/03-09/03/03)
NIAMS, High Risk Rheumatologic and Musculoskeletal and Skin Diseases, R21 applications (03/03/03)

Reviewer, grants submitted to non-NIH agencies

European Research Council (2009, 2013, 2014, 2015, 2016)
Deutsche Forschungsgemeinschaft (2014)
Austrian Science Fund (2014)
Agence Nationale de la Recherche (2014)
Swiss National Science Fund (2014)
Helmholtz Gemeinshaft (2013)
Association for International Cancer Research (2009, 2013)
Landsteiner Foundation for Blood Transfusion Research (2011)
Stichting Sanquin Bloedvoorziening (2010)
Alliance for Lupus Research (2009)
Wellcome Trust (2009)
Food and Drug Administration (2009)
Dutch Cancer Society (2009)
US-Israel Binational Science Foundation (2009)
Associazione Italiana per la Ricerca sul Cancro (2009)
Kentucky Science and Engineering Foundation (2009)

Reviewer, abstracts submitted to meetings

2007 Meeting of the American Society of Hematologists (12/8/07-12/11-07)
2011 Meeting of the International Society of Mucosal Immunology (07/14/15-07/18/15)
2015 Meeting of the International Society of Mucosal Immunology (07/14/15-07/18/15)

Reviewer, articles submitted to scientific journals

American Journal of Pathology
Arthritis and Rheumatism
Autoimmunity
BioMed Central Immunology
BioMed Central Cancer
Blood
British Journal of Cancer
Cell
Cell Reports
Cell Host & Microbe
DNA and Cell Biology
EMBO Journal
European Journal of Immunology
Experimental Cell Research
Gastroenterology
Hepatology
Immunity
Immunobiology

International Immunology
Journal of Cell Biology
Journal of Cell Physiology
Journal of Clinical Investigation
Journal of Clinical Oncology
Journal of Dermatological Sciences
Journal of Experimental Medicine
Journal of Histochemistry and Cytochemistry
Journal of Leukocyte Biology
Journal of Translational Medicine
Mediators of Inflammation
Mucosal Immunology
Nature
Nature Biotechnology
Nature Communications
Nature Genetics
Nature Immunology
Nature Medicine
Nature Reviews Immunology
Nature Reviews Microbiology
PLoS Biology
PLoS One
PLoS Pathogens
Proceedings of the National Academy of Sciences
Retrovirology
Rheumatology
Science
Science Translational Medicine
Science Advances
The FASEB Journal
The Journal of Immunology
The Journal of Rheumatology
The International Journal of Biochemistry and Cell Biology
Translational Medicine
Trends in Immunology

Member, scientific advisory panels

NIH-NIAID, "B Cell HIV Vaccine Workshop" (11/04/08)
NIH-NIAID, "Immune Defense Mechanisms at the Mucosal Surface" (01/29/08)
Enterprise Antibody Working Group, "Humoral immune responses to HIV and approaches to design antigens that induce neutralizing and other potentially protective antibodies" (05/14/07)
International AIDS Vaccine Initiative (IAVI) New York, "In vitro screening of HIV immunogens for neutralizing antibodies" (05/09/07)
MD Anderson Cancer Center, Lymphoma SPORE (11/02/07)

ADMINISTRATIVE LEADERSHIP APPOINTMENTS (partial list)

INTERNAL

- Clinical

Not applicable

- Teaching

2008-2009 Director, Pathology Course, Physician Assistant Program, The University of the State of New York

2007-2009 Chair, *Admission Candidacy Exam (ACE) Program Committee*, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences

2004-2007 Director, *Research in Progress Course*, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences

2003-2007 Director, *Pathology and Laboratory Medicine Seminar Series*, Pathology and Laboratory Medicine, Weill Medical College of Cornell University

- General Administration

2012 Reviewer, *Faculty Assistance Program*, Weill Medical College of Cornell University

EXTERNAL

2016 Co-Organizer, *B cells at the intersection between innate and adaptive immunity (E3)*, Keystone Symposia

2013 Co-Organizer, *B cell development and function (X1)*, Keystone Symposia

2011 Consultant, *NIAID Board of Scientific Counselors*, Review of the Laboratory of Immunogenetics (LIG), Laboratory of Bacterial Diseases (LBD) and Laboratory of Allergic Diseases (LAD)

TRAINING RECORD (partial list)

NAME	LEVEL	DATES	TRAINING VENUE	CURRENT STATUS
B. He	Senior Research Associate	Mentor, 2001-2013	Laboratory	Research Manager, Translational Research Services, Cornell University, New York, NY
M.B. Litinskiy	Postdoc	Mentor, 2001-2002	Laboratory	Internist, Brighton, MA
X. Qiao	Postdoc	Mentor, 2003-2005	Laboratory	Clinical Lab Manager, Tisch Hospital, New York, NY
A.E. Chiu	Pathology Fellow	Mentor, 2003-2009	Laboratory	Associate Attending and Associate Professor of Pathology, Sloan

				Kettering/Cornell University, New York, NY
K. Chen	PhD student, Postdoc	Mentor, 2005-2013	Laboratory	Associate Professor of Gynecology and Obstetrics, Wayne State University, Detroit, MI
W. Xu	Postdoc	Mentor, 2005-2012	Laboratory	Research Investigator II, Bristol-Myers Squibb, Princeton, NJ
P. Santini	PhD student	Mentor, 2005-2009	Laboratory	Computer Software Specialist, New York, NY
Y. Maneraat	Postdoc	Mentor, 2006-2006	Laboratory	Professor, Maidol University, Thailand
R.S. Merino	Postdoc	Mentor, 2008-2010	Laboratory	Clinical Lab Manager, Laboratory of Molecular Genetics and Hereditary Pathologies Dr. Echevarne, Barcelona, Spain
M.C. Vidal	Postdoc	Mentor, 2008-2013	Laboratory	Senior Editor, The Journal of Experimental Medicine, New York, NY
I.S. Puga	Postdoc	Mentor, 2008-2013	Laboratory	Medical Communications Manager, Amgen España, Barcelona, Spain
M. Shan	Instructor	Mentor, 2009-2016	Laboratory	Scientist, Patch Biosciences, New York, NY
C.B. Quaglia	PhD student	Mentor, 2009-2014	Laboratory	Assistant Professor,

				University of Copenhagen
L. Cassis	PhD student	Mentor, 2009-2015	Laboratory	Science Communications Manager, Amgen España, Barcelona, Spain
M. Gentile	PhD student	Mentor, 2009-2014	Laboratory	Medical Manager Neuroscience, AbbVie, Madrid, Spain
A. Chorny	Postdoc	Mentor, 2010-2015	Laboratory	Operating Partner, Advent France Biotechnology, Barcelona, Spain
G. Magri	Postdoc	Mentor, 2011-2022	Laboratory	Assistant Professor, University of Barcelona, Spain
L. Comerma	Pathology Fellow	Mentor, 2012-2016	Laboratory	Pathologist, Hospital del Mar, Barcelona, Spain
S.D. Bascones	PhD student	Mentor, 2013-2017	Laboratory	Field Application Specialist, Sysmex Iberia, Barcelona, Spain
C. Gutzeit	Postdoc	Mentor, 2013-2017	Laboratory	Senior Scientist, GlaxoSmithKlein, Rixensart, Belgium
M. Oropallo	Postdoc	Mentor, 2013-2016	Laboratory	Postdoc, Icahn School of Medicine at Mount Sinai, New York, NY
P. Canales-Herrerias	Postdoc	Mentor, 2021-present	Laboratory	Postdoc, Icahn School of Medicine at Mount Sinai, Spain
J. Sintes	Postdoc	Mentor, 2014-2017	Laboratory	Senior Scientist, Grifols, Barcelona, Spain

E. Grasset	Postdoc	Mentor, 2014-2022	Laboratory	Assistant Professor, Weill Cornell Medicine, New York, NY
A. Yeste	Postdoc	Mentor, 2015-2017	Laboratory	Medical Science Liaison, Eli Lilly and Company, Barcelona, Spain
M. Pybus	Postdoc	Mentor, 2015-2017	Laboratory	Senior Bioinformatics Scientist, Puigvert Foundation, Barcelona, Spain
X. Marcos Fa	PhD student	Mentor, 2022-present	Laboratory	PhD student, Barcelona Biomedical Research Park, Spain
M. Guzmán	Postdoc	Mentor, 2022-present	Laboratory	Postdoc, Barcelona Biomedical Research Park, Spain
M. Filipska	Postdoc	Mentor, 2022-present	Laboratory	Postdoc, Barcelona Biomedical Research Park, Spain
C. Corral Vásquez	Postdoc	Mentor, 2023-present	Laboratory	Postdoc, Barcelona Biomedical Research Park, Spain

TEACHING ACTIVITIES (partial list)

2016	Lecturer, *PhD Students Retreat,* Italian Society of Immunology and Allergology (SIICA), Naples, Italy
2014	Visiting Professor, *Immunology Course*, International PhD Program, Institute for Research in Biomedicine, Bellinzona, Switzerland
2013-present	Lecturer, *Immunology Course,* Master in AIDS pathogenesis and treatment, Barcelona University, Spain
2013	Lecturer, *Immunology Course,* European School of Molecular Medicine (SEMM), Brasov, Romania
2011-present	Chair/Member, *Thesis Examining Committee*s (2 students), Immunology Program, Icahn School of Medicine at Mount Sinai
2011	Visiting Professor, Medical School, Udine University, Italy
2010	Visiting Professor, Medical School, Brescia University, Italy

2010	Visiting Professor, Immunology Program, The Weitzman Institute, Revohot, Israel
2010-present	Examiner, *Fundamental Immunology Course*, Immunology Program, Icahn School of Medicine at Mount Sinai
2010-present	Lecturer, *Advanced Topics in Immunology Course*, Immunology Program, Icahn School of Medicine at Mount Sinai
2010-present	Lecturer, *Fundamental Immunology Course*, Immunology Program, Icahn School of Medicine at Mount Sinai
2010	Lecturer, *Host Defense, Microbiology or Musculoskeletal Pathophysiology Courses*, First and Second Year Curriculum of Mount Sinai Medical Program
2007-2009	Lecturer, *Host Defenses Course*, Immunology, First Year Medical Students of Weill Cornell Medical Program in Qatar
2006-2009	Interviewer, *Admission Committee*, Weill Cornell, Rockefeller and Sloan-Kettering Tri-Institutional MD-PhD Program
2005-2009	Chair/Member, *Thesis Examining Committees* (8 students), Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences
2004-2009	Judge, du Vigneaud Symposium, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences
2004-2007	Member, *Admission Candidacy Exam Program Committee*, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences
2004-2007	Member, *Admission Candidacy Exam Program Committee*, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences
2004-2004	Member, *Admission Committee*, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences
2003-2006	Lecturer, *Advanced Topics in Immunology Course*, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences
2003-2009	Examiner, *Fundamental Immunology Course*, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences
2002-2009	Lecturer, *Fundamental Immunology Course*, Immunology and Microbial Pathogenesis Program, Weill Cornell Graduate School of Medical Sciences
2002-2009	Mentor, *Summer Research Intern Program*, Weill Cornell Graduate School of Medical Sciences One of my pre-graduate students, Erin Jou (Stuyvesant High School), reached the semifinals of the Intel Science Talent Search by presenting her work on BAFF and APRIL
2002-2009	Lecturer, *Host Defenses Course*, Immunology, First Year Curriculum of Weill Cornell Medical Program
1999-2003	Examiner, *Host Defenses Course*, Triple Jump Exam, First Year Curriculum of Weill Cornell Medical Program

1999-2002	Instructor, *Host Defenses Course*, Problem Based Learning, First Year Curriculum of Weill Cornell Medical Program
1998-1999	Instructor, *Host Defenses Course*, Journal Club, First Year Curriculum of Weill Cornell Medical Program

GRANTS AND CONTRACT SUPPORT

ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, NEW YORK, NY

ACTIVE

R01 DK-123749 (multi-PI)
Agency: NIH, NIDK
PIs: Mehandru S. (Aim 1; corresponding PI), Cerutti, A. (Aim 2), Faith J.J. (Aim 3)
Direct costs: **$646,970**
Dates: 06/01/20-05/31/25
Title: *Decoding mutualistic microbiota-B cell interactions in the HIV-1-infected gut: impact on immunological non-responders*
Scope: The aim of this grant is to evaluate the regulation of the pathways underpinning IgA and IgG responses in the gut mucosa from HIV-1^{+} patients.

My component of this grant is being carried over from Icahn School of Medicine at Mount Sinai to Hospital del Mar Research Institute.

TERMINATED

P01 AI-061093
Agency: NIH, NIAID
PI: Cerutti, A. (Project 3)
Direct costs: **$1,250,000**
Dates: 08/10/17-07/31/22
Title: *Immunometabolism of IgA-microbiota interaction in gut homeostasis and inflammation*
Scope: The aim of this grant is to evaluate the regulation of the pathways underpinning IgA responses in the normal or inflamed gut mucosa.

#AGR-10030SOW2A4
Agency: Boehringer-Ingelheim Pharmaceuticals
PI: Cerutti, A.
Direct Costs: **€88,568**
Dates: 01/01/21-12/31/21
Title: *Role of IL-36 in gut IgA responses*
Scope: The aim of this grant is to elucidate the role of IL-36 in gut B cell production of IgA via stromal and myeloid cells.

20151022_1017_Agr-10030
Funding agency: Boehringer-Ingelheim Pharmaceuticals, Inc.
PI: Cerutti, A.
Direct Costs: **€641,104**
Dates: 01/01/16-12/31/19 (no-cost extension until 12/31/2020).
Title: *Role of IL-36 in gut IgA responses*

Scope: The aim of this grant is to elucidate the role of IL-36 in gut B cell production of IgA.

R01 AI-057653
Agency: NIH, NIAID
PI: Cerutti, A.
Direct costs: **$1,250,000**
Dates: 09/01/11-08/31/16
Title: *Regulation of antibody production by innate signals*
Scope: The aim of this grant is to evaluate the mechanisms by which splenic neutrophils enhance antibody production in marginal zone B cells.

U01 AI-095613
Agency: NIH, NIAID
PI: Cerutti, A.
Direct costs: **$1,250,000**
Dates: 07/01/11-06/30/16
Title: *Regulation and function of immunoglobulin D in mucosal immune defense*
Scope: The aim of this grant is to evaluate the ontogeny, reactivity and function of IgD-secreting plasma cells in the upper respiratory tract.

U01 AI-95776 IOF
Agency: NIH, NIAID
PI: Cerutti, A.
Direct costs: **$57,500**
Dates: 05/01/12-04/30/13
Title: *The role of mucins in antigen discovery and immune homeostasis*
Scope: The aim of this grant was to evaluate whether the gut mucin MUC2 delivers tolerogenic signals to intestinal dendritic cells.

P01 AI-096187
Agency: NIH, NIAID
PI: Cerutti, A.
Direct costs: **$1,250,000**
Dates: 07/01/11-06/30/16
Title: *Dissecting the interplay of GM-CSF and neutrophils in IgG and IgA responses*
Scope: The aim of this grant is to evaluate the contribution of GM-CSF to the generation of SIV-specific IgG and IgA responses in rhesus macaques immunized with a GM-CSF-adjuvanted DNA-MVA vaccine.

P01 AI-061093
Agency: NIH, NIAID
PI: Cerutti, A.
Direct costs: **$1,250,000**
Dates: 09/01/11-08/31/16
Title: *Regulation and function of intestinal IgA production*
Scope: The aim of this grant is to evaluate the mechanisms by which signals from TACI help IgA class switching and production in intestinal B cells.

Breakthrough Award
Agency: Kenneth Rainin Foundation
PI: Cerutti, A.
Direct costs: **$100,000**
Dates: 01/01/16-12/31/16

Title: *Role of gut mucins in tolerance and inflammation*
Scope: The aim of this grant is to evaluate the anti-colitogenic function of the gut mucin MUC2.

Innovation Award
Funding agency: Kenneth Rainin Foundation
PI: Cerutti, A.
Direct costs: **$100,000**
Dates: 01/01/15-12/31/15
Title: *Role of gut mucins in tolerance and inflammation*
Scope: The aim of this grant was to evaluate the anti-colitogenic function of the gut mucin MUC2.

R01 AI-74378, ARRA P01 AI-61093, R01 AI-57653, and Irma T. Hirschl Career Scientist Award were carried over from Weill Medical College of Cornell University to Icahn School of Medicine at Mount Sinai.

WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY, NEW YORK, NY

R01 AI-74378
Funding agency: NIH/NIAID
PI: Cerutti, A.
Direct Costs: **$1,250,000**
Dates: 02/01/08-01/31/13
Title: *Regulation of antibody diversification and production in HIV-1 infection*
Scope: The aim of this grant was to evaluate the mechanisms by which HIV-1 evades protective antibody responses.

ARRA P01 AI-61093
Funding agency: NIH/NIAID
PI: Cerutti, A.
Direct Costs: **$1,250,000**
Dates: 09/01/09-08/31/11
Title: *Regulation and function of IgA production in the intestinal mucosa*
Scope: The aim of this grant was to evaluate the mechanisms by which IgA generates non-inflammatory immune protection in the intestinal mucosa

R01 AI-57653
Funding agency: NIH/NIAID
PI: Cerutti, A.
Direct Costs: **$1,250,000**
Dates: 03/01/05-02/28/10
Title: *Regulation of antibody production by innate signals*
Scope: The aim of this R01 grant was to evaluate the role of Toll-like receptors in the regulation of B cell antibody production, including immunoglobulin heavy chain class switching.

Irma T. Hirschl Career Scientist Award
Funding agency: The Irma T. Hirschl Charitable Trust
PI: Cerutti, A.
Direct Costs: **$175,000**
Dates: 02/01/08-01/31/13
Title: *Regulation of antibody responses to bacterial polysaccharides*

Scope: The aim of this award was to evaluate the mechanisms by which human splenic endothelial cells sense bacterial polysaccharides and stimulate production of polysaccharide-specific antibodies by marginal zone B cells.

R01 AI-057653 Supplement
Funding agency: NIH/NIAID
Direct Costs: **$100,000**
Dates: 09/01/07-08/31/08 (no-cost extension)
Principal Investigator: Cerutti, Andrea
Title: *Role of innate signals in the induction of neutralizing antibodies to HIV*
Scope: The aim of this supplement was to evaluate the innate signals required for the production of broadly neutralizing antibodies against HIV-1.

CLL Research Center Grant
Funding agency: Cornell Comprehensive Cancer Center
PI: Cerutti, A.
Direct Costs: **$50,000**
Dates: 09/01/06-08/31/08 (no-cost extension)
Title: *Role of innate immune signals in CLL*
Scope: The aim of this grant was to evaluate the role of Toll-like receptors in the expansion and diversification of CLL B cells.

R21 AI-057130
Funding agency: NIH/NIAID
PI: Cerutti, A.
Direct Costs: **$300,000**
Dates: 07/01/03-06/30/05
Title: *BLyS, APRIL and antibody production in HIV infection*
Scope: The aim of this study was to evaluate the role of the TNF family members BLyS/BAFF and APRIL in HIV-induced dysregulation of class switching and antibody production

R01 AR-47872
Funding agency: NIH/NIAID
PI: Cerutti, A.
Direct Costs: **$500,000**
Dates: 09/01/01-08/31/04
Title: *Role of CD30-CD153 interaction in the pathogenesis of rheumatoid arthritis*
Scope: The aim of this study was to investigate the impact of regulatory $CD30^+$ T cells in the pathogenesis of rheumatoid arthritis.

New Investigator Grant
Funding agency: Leukemia Research Foundation
PI: Cerutti, A.
Direct Costs: **$75,000**
Dates: 07/01/01-06/30/02
Title: *Role of CD30-CD153 interaction in leukemia-associated immunodeficiency and B cell clonal expansion*
Scope: The aim of this study was to investigate the ability of CD30-CD153 signaling to impair antibody production and drive malignant B cell expansion.

Career Development Award
Funding agency: The S.L.E. Foundation, New York Chapter
PI: Cerutti, A.

Direct Costs: **$150,000**
Dates: 07/01/99-06/30/03
Title: *Role of CD30-CD153 interaction in immunogobulin class switching and antibody production in systemic lupus erythematosus.*
Scope: The aim of this study was to investigate the evaluation the contribution of CD30-CD153 interaction to deregulated IgH class switching in SLE.

Mentored Award
Funding agency: Italian National Institutes of Health (Istituto Superiore di Sanita')
PI: Cerutti, A.
Direct Costs: **$120,000**
Dates of support: 07/01/99-06/30/03
Title: *Role of TNF family members in the growth and differentiation of AIDS-associated B cell lymphomas.*
Scope: The aim of this study was to analyze the ability of CD40L and cytokines to regulate the differentiation of malignant B cells from patients with AIDS-associated lymphoma.

HOSPITAL DEL MAR RESEARCH INSTITUTE (FORMER IMIM), BARCELONA, SPAIN

ACTIVE

R01 DK-123749 (multi-PI)
Agency: NIH, NIDK
PIs: Mehandru S. (Aim 1; corresponding PI), Cerutti, A. (Aim 2), Faith J.J. (Aim 3)
Direct costs: **$309,362 (years 2023-24 and 2024-25 being carried over from Icahn School of Medicine at Mount Sinai to Hospital del Mar Research Institute; indicated figure only refers to these two years)**
Dates: 06/01/23-05/31/25
Title: *Decoding mutualistic microbiota-B cell interactions in the HIV-1-infected gut: impact on immunological non-responders*
Scope: The aim of this grant is to evaluate the regulation of the pathways underpinning IgA and IgG responses in the gut mucosa from HIV-1^{+} patients.

ABC Pilot Project
Funding agency: European foundation for the study of chronic liver insufficiency (EFCLIF).
PI: Cerutti, A.
Direct Costs: **€100,000**
Dates of support: 10/01/22-09/30/23
Title: *Decoding the ontogeny and function of secreted immunoglobulin D*
Scope: The aim of this grant is to dissect the involvement of B cells in the pathogenesis of acute-on-chronic liver insufficiency.

RETOS-21
Funding agency: Ministerio de Educación y Ciencia
PI: Cerutti, A.
Direct Costs: **€446,490**
Dates of support: 09/01/22-08/31/25
Title: *Decoding the ontogeny and function of secreted immunoglobulin D*

Scope: The aim of this grant is to elucidate the composition and clonal ontogeny of IgD class-switched B cells as well as the impact of secreted IgD on tolerance.

ERC-2011-Advanced Grant_20110310
Funding agency: European Research Council (ERC)
PI: Cerutti, A.
Direct Costs: **€89,000** (freely available carryover from terminated grant)
Dates: unlimited.
Title: *Innate signaling networks in B cell antibody production: new targets for vaccine development*
Scope: The aim of this grant is to elucidate the role of innate lymphoid cells and other cells of the innate immune system in the induction of antibody responses to bacterial polysaccharides.

SGR 120, Modalidad GRC
Funding agency: AGAUR (Agencia de Gestión de Ayudas Universitarias y de Investigación)
PI: Cerutti, A
Direct Costs: **€27,937** (carryover from terminated grant)
Dates: 01/06/2017-31/05/2019
Title: N/A
Scope: N/A

TERMINATED

RETOS-18
Funding agency: Ministerio de Educación y Ciencia
PI: Cerutti, A.
Direct Costs: **€375,100**
Dates of support: 09/01/19-08/31/22 (one-year no-cost extension)
Title: *Gut plasma cell responses in health and IBD*
Scope: The aim of this grant is to elucidate the regulation, architecture and function of plasma cells secreting IgA1 or IgA2 in health and inflammatory bowel disease.

SGR 120, Modalidad GRC
Funding agency: AGAUR (Agencia de Gestión de Ayudas Universitarias y de Investigación)
PI: Cerutti, A.
Direct Costs: **€42,000**
Dates: 09/01/17-08/31/19
Title: N/A
Scope: N/A

SAF2014-52483R
Funding agency: Ministerio de Educación y Ciencia
PI: Cerutti, A.
Direct Costs: **€370,000**
Dates: 01/01/15-12/31/18
Title: *Humoral responses in the respiratory mucosa: role of IgD*
Scope: The aim of this grant is to elucidate the regulation, architecture and function of IgD-secreting plasma

ERC-2011-Advanced Grant_20110310
Funding agency: European Research Council (ERC)
PI: Cerutti, A.
Direct Costs: **€2,200,000**
Dates: 02/01/12-01/31/17 (2018 no-cost extension + free carryover)
Title: *Innate signaling networks in B cell antibody production: new targets for vaccine development*
Scope: The aim of this grant is to elucidate the role of innate lymphoid cells and other cells of the innate immune system in the induction of antibody responses to bacterial polysaccharides.

SAF2011-25241
Funding agency: Ministerio de Educación y Ciencia
PI: Cerutti, A.
Direct Costs: **€210,000**
Dates: 01/01/12-12/31/15
Title: *Regulation of human marginal zone B cells by neutrophils*
Scope: The aim of this grant was to dissect the role of sinus-lining endothelial cells in the activation of splenic marginal zone B cells.

9637 FP7-PEOPLE-2011-ITN
Funding agency: Marie Curie International Reintegration Grant
PI: Cerutti, A.
Direct Costs: **€100,000**
Dates: 03/01/11-02/28/14
Title: *Regulation and function of IgD in systemic lupus erythematosus*
Scope: The aim of this grant was to study the mechanisms of IgD-basophil interaction in health and disease, including lupus.

SAF2008-02725
Funding agency: Ministerio de Educación y Ciencia
PI: Cerutti, A.
Direct Costs: **€200,000**
Dates: 01/01/08-12/31/11 (one year no-cost extension)
Title: *Regulation of antibody responses to bacterial polysaccharides*
Scope: The aim of this grant was to evaluate the interaction between splenic neutrophils and sinus-lining cells in the activation of marginal zone B cells reactive against polysaccharides.

FLEMISH INSTITUTE FOR BIOTECHNOLOGY (VIB), GHENT, BELGIUM

Declined

Odysseus I
Funding agency: Research Foundation Flanders (FWO)
PI: Cerutti, A.
Direct Costs: **€6,190,090**
Dates: 02/01/17-01/31/21
Title: *Immunometabolism of IgA-microbiota interaction in gut homeostasis and inflammation*
Scope: The aim of this grant was to elucidate how the gut microbiota interacts with the immune system to generate commensal-targeting non-inflammatory IgA responses.

MANUSCRIPTS DEPOSITED IN BioRxiv

Zhou JZ, Huang B, Pei B, Wen Sun G, Pawlitz MD, Zhang W, Li X, Hokynar KC, Yao F, Perera MLW, Wei S, Zheng S, Polin LA, Poulik JM, Ranki A, Krohn K, Cunningham-Rundles C, Yang N, Bhagwat AS, Yu K, Peterson P, Kisand K, Vuong BQ, **Cerutti A**, Chen K. A germinal center checkpoint of AIRE in B cells limits antibody diversification. bioRxiv 2024.01.10.574926; doi: https://doi.org/10.1101/2024.01.10.574926 (being revised for ***Science Immunology***).

2. Tachó-Piñot R, Bashour H, Filipska M, Tejedor-Vaquero S, de Campos-Mata L, Sáez-Gordón A, Perera-Bel J, Guzman M, Marcos-Fa X, Canales-Herrerias P, Domínguez-Barragán J, Arcós-Ribas B, Slabodkin A, Chernigovskaya M, Rodríguez de la Concepción ML, Gutierrez-Marcos J, García-García A, Nascimento-Osorio A, Pascal M, Alsina L, Aróstegui JI, Mehandru S, Cunningham-Rundles C, Carrillo J, Magri G, Greiff V, **Cerutti A**. Atypical memory B cells form a pre-plasmacellular reservoir for steady-state IgD responses to common nasopharyngeal antigens. bioRxiv 2023.08.29.554748; doi: https://doi.org/10.1101/2023.08.29.554748 being revised for ***Science Immunology***).

3. Gutzeit G, Grasset EK, Matthews DB, Maglione PJ, Magri G, Britton GJ, Tomalin L, Pybus M, Tejedor Vaquero S, Veeramreddy PK, Tachó-Piñot R, Martín Nalda A, García Prat M, Martinez Gallo M, Dieli-Crimi R, Clemente JC, Mehandru S, Suarez-Farina M, Faith JJ, Cunningham-Rundles C, **Cerutti A**. Gut IgA enhances systemic IgG responses to pneumococcal vaccines through the commensal microbiota. bioRxiv 2021.04.29.439534; doi: https://doi.org/10.1101/2021.04.29.439534/(submitted to ***Science Advances***).

PUBLICATIONS

***JOURNALS* (from a total of 158 publications)**

1. Cossarini F, Shang J, Krek A, Al-Taie Z, Hou R, Canales-Herrerias P, Tokuyama M, Tankelevich M, Tillowitz A, Jha D, Livanos AE, Leyre L, Uzzan M, Martinez-Delgado G, Taylor MD, Sharma K, Bourgonje AR, Cruz M, Ioannou G, Dawson T, D'Souza D, Kim-Schulze S, Akm A, Aberg JA, Chen BK, Kwon DS, Gnjatic S, Polydorides AD, **Cerutti A**, Argmann C, Vujkovic-Cvijin I, Suarez-Fariñas M, Petralia F, Faith JJ & Mehandru S 2024, Gastrointestinal germinal center B cell depletion and reduction in IgA^{+} plasma cells in HIV-1 infection, ***Science Immunology***, vol. 9, no. 100:eado0090. **IF: 30.63**.

2. Clària J, Aguilar F, Lozano J-J, Jiménez-Gracia L, Nieto JC, Romero-Grimaldo B, Marcos-Fa X, Giarracco E, Weiss E, Trebicka J, Hernàndez I, Fernandez J, Casulleras M, López-Vicario C, Muldur S, Hopke A, Vlagea A, Aransay AM, Marchese D, Bernardi M, Jalan R, Angeli P, Magri G, **Cerutti A**, Irimia D , Heyn H, Arroyo V, Moreau R. Albumin reprograms the B cell transcriptional landscape and improves neutrophil antimicrobial function in patients with decompensated cirrhosis. ***Journal of Hepathology Reports*** 2024, 6:101184. **IF: 9.5**.

3. Canales-Herrerias P, Uzzan M, Seki A, Czepielewski RS, Verstockt B, Livanos A, Raso F, Dunn A, Dai D, Wang A, Al-taie Z, Martin J, Laurent T, Ko HM, Tokuyama M, Tankelevich M, Meringer H, Cossarini F, Jha D, Krek A, Paulsen JD, Taylor MD, Nakadar MZ, Wong J, Erlich EC, Mintz RL, Onufer EJ, Helmink BA, Sharma K, Rosenstein A, Ganjian D, Chung G, Dawson T, Juarez J, Yajnik V, **Cerutti A**, Faith J, Suarez-Farinas M, Argmann C, Petralia F, Randolph GJ, Polydorides AD, Reboldi A, Colombel JF, Mehandru

S. Gut-associated lymphoid tissue attrition associates with response to anti-α4β7 therapy in ulcerative colitis. ***Science Immunology*** 2024, 9:eadg7549. **IF: 30.63.**

4. Canales-Herrerias P & **Cerutti A**. Gut IgA: never fear, the super inducers are here. ***Cell Host & Microbe*** 2023, 31:1595-1597. **IF: 30.3.**

5. Mascaro JM, Rodriguez-Pinto I, Poza G, Mensa-Vilaro A, Fernandez-Martin J, Caminal-Montero L, Espinosa G, Hernández-Rodríguez J, Diaz M, Rita-Marques J, Sanmarti R, Castañeda S, Colunga D, Coto-Hernández R, Fanlo P, Elejalde JI, Bujan S, Figueras I, Marco FM, Andrés M, Suárez S, Gonzalez-Garcia A, Fustà-Novell X, Garcia-Belando C, Granados A, Fernandez-Figueras MT, Quilis N, Orriols-Caba M, Gómez de la Torre R, Cid MC, Espígol-Frigolé G, Alvarez-Abella A, Labrador E, Rozman M, Lopez-Guerra M, Castillo P, Alamo-Moreno JR, Gonzalez-Roca E, Plaza S, Fabregat V, Lara R, Vicente-Rabaneda EF, Tejedor-Vaquero S, Magri G, Bonet N, Solis-Moruno M, **Cerutti A**, Fornas O, Casals F, Yagüe J, Aróstegui JI. Spanish cohort of VEXAS syndrome: clinical manifestations, outcome of treatments and novel evidences about *UBA1* mosaicism. ***Annals of Rheumatic Diseases*** 2023, 82:1594-1605. **IF: 27.4.**

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7. Chen K, Hao Y, Guzmán M, Li G, **Cerutti A**, Antibody-mediated regulation of basophils: emerging views and clinical implications. ***Trends in Immunology*** 2023, May 3:S1471-4906(23)00059-5. doi: 10.1016/j.it.2023.04.003. **IF: 19.709.**

8. Canales-Herrerias P, Garcia-Carmona Y, Shang J, Meringer H, Yee DS, Radigan L, Buta S, Martinez-Delgado G, Tankelevich M, Helmus DS, Dubinksy M, Everts-van der Wind A, Dervieux T, Bogunovic D, Colombel JF, Brenchley JM, Faith J, Cunningham-Rundles C, **Cerutti A**, Mehandru S. Selective IgA2 deficiency in a patient with small intestinal Crohn's disease. ***Journal of Clinical Investigation*** 2023, May 2:e167742. doi: 10.1172/JCI167742. **IF: 19.477.**

9. Cumpelik A, Cody E, Yu SM, Grasset EK, Dominguez-Sola D, **Cerutti A**, Heeger PS. Neutrophil complement receptor signaling is required for BAFF-dependent humoral responses in mice. ***The Journal of Immunology*** 2023, 210:19-23. **IF: 5.43.**

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plasmablast-skewed humoral response associated with disease activity. ***Nature Medicine*** 2022, doi: 10.1038/s41591-022-01680-y. **IF: 53.44**.

14. Tejedor Vaquero S, de Campos-Mata L, Ramada JM, Díaz P, Navarro-Barriuso J, Ribas-Llaurado C, Rodrigo Melero N, Carolis C, **Cerutti A**, Gimeno R, Magri G. SARS-CoV-2 sculpts the immune system to induce sustained virus-specific naïve-like and memory B cell responses. ***Frontiers Immunology*** 2021, 12:737083. doi: 10.1002/cti2.1339. **IF: 7.561**.

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20. Grasset EK, **Cerutti A**. Mutations make gut antibodies promiscuous. ***Journal of Experimental Medicine*** 2020, 217:e20201340. **IF: 14.307**.

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BOOKS

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PRESENTATIONS AT NATIONAL AND INTERNATIONAL MEETINGS (PARTIAL LIST)

1. Lecturer: "Regulation of B cells by the innate immune system". ***Immunology Seminar Series at Johns Hopkins University***, February 10, 2015, Baltimore, MD.

2. Lecturer: "Innate regulation of B cells". ***Immunology Seminar Series at University of Toronto***, January 19, 2015, Toronto, Canada.

3. Lecturer: "Regulation of MZ B cells by the innate immune system". ***Immunology Seminar Series at McGill University***, January 15, 2015, Montreal, Canada.

4. Invited speaker: "Regulation of MZ B cells by the innate immune system". ***Hengstberger Symposium: Microbial Sensors in the B Lymphocyte Response***, January 7-8, 2015, Heidelberg, Germany.

5. Invited speaker: "IgA and mucus in gut homeostasis". ***Annual Meeting of the Japanese Society of Immunology***, December 10-12, 2014, Kyoto, Japan.

6. Lecturer: "Regulation of B cells by the innate immune system". ***Vlaanderen Instituut voor Biotechnologie (VIB) and University of Ghent***, November 28, 2014, Ghent, Belgium.

7. Lecturer: "New insights into the biology of immunoglobulin D". ***University of Birmingham***, November 28, 2014, Birmingham University, UK.

8. Invited lecturer: "Mucosal immunology: regulation of B cells by innate signals". ***Annual Meeting of the Catalan Society of Immunology***, November 21, 2014, Barcelona,

Spain.

9. Invited lecturer: "Innate signalling networks in B cell responses". ***University Miguel Hernandes of Elche***, November 17, 2014, Elche, Spain.

10. Invited speaker: "Regulation of B cells by the innate immune system". ***Immunology Seminar Series at Stanford University***, November 4, 2014, Stanford, CA.

11. Invited speaker: "New insights into the function of immunoglobulin D". ***First Lloyd Mayer Symposium on Mucosal Immunology***, October 10, 2014, New York, NY.

12. Invited speaker: "Innate intestinal protection". ***XLIV Congress of the Spanish Society of Nephrology***, October 4-7, 2014, Barcelona, Spain.

13. Lecturer: "Role of GM-CSF-Expressing innate lymphoid cells in the activation of MZ B cells". ***San Joan de Deu Hospital***, October 7, 2014, Barcelona, Spain.

14. Invited speaker: "Innate signalling networks in gut homeostasis". ***16th Biennial Meeting of the European Society for Immunodeficiencies***, October 29-31, 2014, Prague, Czech Republic.

15. Invited speaker: "Role of innate immune signals in the activation of MZ B cells". ***Novartis Vaccines and Diagnostics***, September 18, 2014, Siena, Italy.

16. Lecturer: "Innate regulation of systemic and mucosal B cell responses". ***Immunology Seminar Series at Erasmus University***, July 8, 2014, Rotterdam, The Netherlands.

17. Lecturer: "Role of innate lymphoid cells in antibody production". ***Immunology Seminar Series at Deutsches Rheuma-Forschungszentrum***, June 8, 2014, Berlin, Germany.

18. Lecturer: "Control of B cell responses by innate immune signals". ***International Splenic Lymphoma Study Group Meeting***, May 16, 2014, Cambridge, UK.

19. Invited speaker: "Regulation of B cells by the innate immune system". ***5th Annual Meeting of the DGfI Study Group Pediatric Immunology***, May 9-11, 2014, Ittingen, Switzerland.

20. Lecturer: "Innate signalling networks in systemic and mucosal B cell responses". ***Centro de Investigacion en Sanidad Animal (CISA-INIA)***, March 21, 2014, Madrid, Spain.

21. Lecturer: "Control of B cell responses by innate immune signals". ***University of Birmingham***, March 14, 2014, Birmingham, UK.

22. Lecturer: "MZ B cell responses: are they linked to IgA?". ***Val d'Hebron Hospital***, February 13, 2014, Barcelona, Spain.

23. Invited speaker: "Control of B cell responses by innate immune signals". ***12th EEACI Winter School in Allergy and Clinical Immunology***, January 30-February 2, 2014, Brasov, Romania.

24. Lecturer: "Control of B cell responses by innate immune signals". ***IrsiCaixa-Hospital Universitario Germans Trias i Pujol***, January 31, 2014, Barcelona, Spain.

25. Invited speaker: "Crosstalk of innate lymphoid cells with innate-like B cells". ***Annual Meeting of the British Society for Immunology***, December 2-5, 2013, Liverpool, UK.

26. Invited speaker: "Regulation of gut homeostasis by the gut innate immune system: new insights into the role of mucus". ***Immunology and Microbiology Program at Weill***

Medical College of Cornell University-Sloan Kettering Cancer Center, November 18, 2013, New York, NY.

27. Lecturer: "Regulation of B cells by the innate immune system". ***PhD Program at Institute for Research in Biomedicine***, November 6, 2013, Bellinzona, Switzerland.

28. Invited speaker: "Regulation of B cells by the innate immune system". ***Immunology Seminar Series at UC Irvine***, October 10, 2013, University of California at Irvine, Newport Beach, CA.

29. Invited speaker: "The immunological function of mucus: beyond the barrier". ***Annual Meeting of the British Society for Immunology***, October 2-5, 2013, Dublin, Ireland.

30. Invited speaker: "Regulation of intestinal immunity and homeostasis by mucus". ***5th International Conference on Crossroads between Innate and Adaptive Immunity***, September 21-26, 2013, Corfu', Greece

31. Invited speaker: "New insights in the regulation and function of IgD". ***ESF-EMBO Symposium: B Cells from Bedside to Bench and Back Again***, September 18, 2013, Pultursk, Poland.

32. Invited speaker: "Regulation of adaptive antibody responses by the innate immune system". ***15th International Congress of Immunology***. August 22-31, 2013, Milan, Italy

33. Invited speaker: "The function of intestinal mucus: beyond the barrier". ***8th International Symposium on Tonsils and Mucosal Barriers***, July 17-19, 2013, Zurich, Switzerland.

34. Lecturer: "B cell-neutrophil interactions in healthy humans and SIV-infected primates". ***Hospital Clinic***, May 21, 2013, Barcelona, Spain.

35. Invited speaker: "Regulation of MZ B cells by neutrophils". ***47th Meeting of the European Society for Clinical Investigation: Phagocyte Workshop***, April 17-20, 2013, Albufeira, Portugal.

36. Invited speaker: "Regulation of MZ B cell responses by the innate immune system". ***41th Meeting of the Scandinavian Society for Immunology***, April 14-17, 2013, Copenhagen, Denmark.

37. Invited speaker: "Innate regulation of systemic and mucosal antibody responses". ***Immunology seminar series at University of Pennsylvania***, March 5, 2013, Philadelphia, PA.

38. Lecturer: "B cell conversations with the innate immune system". ***Centro Nacional de Biotecnologia-CSIC***, February 22, 2013, Madrid, Spain.

39. Invited speaker: "Mucus and goblet cells: new insights in intestinal homeostasis". ***Keystone Symposia on B Cell Development and Function (X1)***, February 10-15, 2013, Keystone, CO.

40. Lecturer: "B cell conversations with the innate immune system". ***Immunology Seminar Series at Cambridge University***, December 7, 2012, Cambridge, UK.

41. Lecturer: "B cell conversations with the innate immune system". ***Immunology Seminar Series at University of Zurich***, December 4, 2012, Zurich, Switzerland.

42. Invited speaker: "B cell conversations with the innate immune system". ***LVII Meeting of the Argentinian Society of Immunology***, November 14-17, 2012, Mar del Plata, Argentina.

43. Invited speaker: "A novel innate pathway for antibody production: implications for vaccine development". ***International Workshop on Viruses, Genes and Cancer***, October 25-27, 2012, Venice, Italy.

44. Invited speaker: "Regulation of antibody diversification and production by neutrophils". ***Scandinavian Society for Immunology***, October 23, 2012, Stockholm, Sweden.

45. Invited speaker: "Regulation of B cell responses by the innate immune system". ***15th Biennial Meeting of the European Society for Primary Immunodeficiencies***, October 3-6, 2012, Florence, Italy.

46. Invited speaker: "Regulation of antibody diversification and production by neutrophils". ***European Congress of Immunology***, September 5-8, 2012, Glasgow, UK.

47. Invited speaker: "Regulation of antibody diversification and production by neutrophils". ***European Hematology Association Meeting on Neutropenia and Other Genetic Bone Marrow Failures***, September 5-8, 2012, Genoa, Italy.

48. Invited speaker: "Innate signals in mucosal immunity and homeostasis". ***Cell Symposia Meeting on Human Immunity***, August 19-21, 2012, Lisbon, Portugal.

49. Keynote speaker: "Regulation of antibody diversification and production by neutrophils". ***The Neutrophil in Immunity***, June 9-12, 2012, Quebec, Canada.

50. Lecturer: "B cell conversations with the innate immune system". ***Hospital Clinic***, May 19, 2012, Barcelona, Spain.

51. Invited speaker: "B cell conversations with the innate immune system". ***ESID Junior Workshop on Methods in Primary Immunodeficiencies***, May 7-11, 2012, Freiburg, Germany.

52. Lecturer: "B cell conversations with the innate immune system". ***Immunology Seminar Series at Yale University***, May 1, 2012, New Haven, CT.

53. Invited speaker: "B cell conversations with the innate immune system". ***Gordon Research Conferences in Antibody Biology and Engineering***, March 25-30, 2012, Galveston, TX.

54. Lecturer: "B cell conversations with the innate immune system". ***Immunology Seminar Series at Northwestern University***, March 23, 2012, Chicago, IL.

55. Lecturer: "B cell conversations with the innate immune system". ***Hospital Cochin***, March 1, 2012, Paris, France.

56. Lecturer: "B cell conversations with the innate immune system". ***Immunology Seminar Series at University of Washington***, February 8, 2012, Seattle, WA.

57. Lecturer: "Innate signalling networks in immunoglobulin diversification and production". ***Immunology Seminar Series at New York University***, January 19, 2012, New York, NY.

58. Lecturer: "B cell conversations with the innate immune system". ***London Research Institute Cancer Research UK***, March 19, 2012, London, UK.

59. Lecturer: "A novel innate pathway for antibody diversification and production". ***13th Annual International Meeting of the Human Institute of Virology***, November 2, 2011, Baltimore, MD.

60. Lecturer: "A novel innate pathway for antibody diversification and production". ***Immunology Seminar Series at University of Maryland***, November 1, 2011, Baltimore, MD.

61. Invited speaker: "Interactions of B cells with neutrophils in health and primary immunodeficiencies". ***Symposium on Primary Immunodeficiencies at UC Irvine***, October 29, 2011, Newport Beach, CA.

62. Invited speaker: "Innate signalling networks in MZ B cell responses". ***Microbiota and Mucosal Immunology: the Interface in Health and Disease***, April 14-16, 2011, San Francisco, CA.

63. Invited speaker: "Induction and regulation of IgA synthesis". ***World Immune Regulation Meeting V***, March 28-Apri 1, 2011, Davos, Switzerland.

64. Invited speaker: "Regulation of antibody responses by innate immune signals". ***Keystone Symposia on "Immunologic Memory, Persisting Microbes and Chronic Disease" (B6)***, February 6-11, 2011, Banff, Canada.

65. Invited speaker: "Regulation of splenic MZ B cell responses by mucosal signals". ***Keystone Symposia on "Mucosal Biology: a Fine Balance Between Tolerance and Immunity"***, February 26-March 3, 2011, Vancouver, Canada.

66. Invited speaker: "Mucosal Immunoglobulin Class Switching and HIV Infection". ***Immunology Seminar Series at Harvard Medical School***, December 8, 2010, Boston, MA, USA.

67. Invited speaker: "Regulation of immunoglobulin diversification and production by the innate immune system". ***Immunology Seminar Series at University of Chicago***, November 8, 2010, Chicago, IL.

68. Invited speaker: "TACI signaling". ***14th Meeting of the European Society for Immunodeficiencies***, October 6-9, 2010, Istanbul, Turkey.

69. Invited speaker: "Nef-trafficking intercellular highways for HIV evasion of antibody production". ***12th Annual International Meeting of the Institute of Human Virology***, October 4-8, 2010, Tropea, Italy.

70. Invited speaker: "Nef-trafficking intercellular highways for HIV evasion of antibody production". ***International Viruses, Genes and Cancer Conference***, October 1, 2010, Venice, Italy.

71. Invited speaker: "Regulation and Function of Immunoglobulin D". ***Autoinflammation 2010, 6th International Congress on FMF and SAID***, September 3, 2010 Amsterdam, The Netherlands.

72. Invited speaker: "Mucosal Immunoglobulin Class Switching and HIV Infection". ***Immunology Seminar Series at The Ragon Institute of Harvard Medical School***, July 20-21, 2010, Boston, MA, USA.

73. Invited speaker: "New Insights into Mucosal IgD Responses". ***Workshop on The Search for Broadly Protective Anti-HIV Antibodies at the National Institutes of Health***, June 29-30, 2010, Bethesda, MD, USA.

74. Invited speaker: "Nef-shuttling intercellular highways for HIV evasion of antibody production". ***10th Annual Meeting of the Federations of Clinical Immunology Societies***, June 24-27, 2010, Boston, MA, USA.

75. Invited speaker: "Nef-trafficking intercellular highways for HIV evasion of antibody production". ***Italian Conference on AIDS and Retroviruses***, June 20-22, 2010, Brescia, Italy.

76. Invited speaker: "Nef-trafficking intercellular highways for HIV evasion of antibody production". ***Europrise B Cell Immunity Workshop***, June 5-9, 2010, Milan, Italy.

77. Invited speaker: "Nef-trafficking intercellular highways for HIV evasion of antibody production". ***Highlights in Immunology Seminar Series of the Weizmann Institute***, May 16-17, 2010, Tel Aviv, Israel.

78. Invited speaker: "Immunoglobulin D in Immunosurveillance". ***World Immune Regulation Meeting-IV***, March 28-Apri 1, 2010, Davos, Switzerland.

79. Invited speaker: "Immunoglobulin D in Immunosurveillance". ***9th International Conference on Human Leukocyte Differentiation Antigens***, March 11-13, 2010, Barceona, Spain.

80. Invited speaker: "Regulation and function of immunoglobulin D". ***2010 Midwinter Conference of Immunologists***, January 23-26, Asilomar, CA, USA.

81. Invited speaker: "New insights into the regulation and function of immunoglobulin D". ***Symposium on Principles of Innate Immunity and Signal Transduction at the University Medical Center Groningen***, January 15, 2010, Groningen, The Netherlands.

82. Invited speaker: "Innate signalling networks in mucosal class switching". ***The 39th Annual Meeting of the Japanese Society of Immunology***, December 2-4, 2009, Osaka, Japan.

83. Keynote speaker: "HIV and mucosal IgA class switching". ***Annual DutchVaccine Meeting***, November 18, 2009, Utrecht, The Netherlands.

84. Invited speaker: "Regulation of mucosal B cell differentiation". ***The Immunology Institute Retreat of Mount Sinai School of Medicine***, November 15-16, 2009, Westchester, NY, USA.

85. Invited speaker: "Regulation and function of mucosal IgD class switching". ***Trudeau Institute Workshop on Mucosal Immunity***, October 9-11, 2009, Saranak Lake, NY, USA.

86. Invited speaker: "Innate regulation of immunoglobulin heavy chain class switching". ***Immunology Colloqium Seminar Series of University of Pennsylvania***, September 29, 2009, Philadelphia, PA, USA.

87. Keynote speaker: "Regulation and function of mucosal IgD class switching". ***The 14th International Congress of Mucosal Immunology***, July 5-9, 2009, Boston, Massachusetts.

88. Invited speaker: "Regulation and function of human immunoglobulin D". ***2nd Freiburg Immunodeficiency Symposium***, June 25-27, 2009, Freiburg, Germany.

89. Keynote speaker: "Innate signals in mucosal Ig heavy chain class switching". ***2009 Primary Diseases Consortium Conference***, June 11, 2009, San Francisco, California.

90. Invited speaker: "Regulation of mucosal class switching". ***International Union of Immunological Societies Expert Meeting on Primary Immunodeficiencies***, June 3-7, 2009, Dublin, Ireland.

91. Invited speaker: "Intestinal bacteria induce epithelial cell-mediated B cell class

switching". ***The American Society for Microbiology General Meeting on The Molecular Conversation Between Symbiotic Bacteria and Their Animal Hosts***, May 17-21, 2009, Philadelphia, Pennsylvania.

92. Invited lecturer: "Regulation and function of immunoglobulin D". ***Annual Meeting of the Catalan Society of Immunology***, April 2, 2009, Barcelona, Spain.

93. Invited lecturer: "Innate signalling in intestinal IgA class switching". ***Immunology Seminar Series at Toronto University***, March 9-10, 2009, Toronto, Canada.

94. Invited speaker: "Regulation of mucosal antibodies". ***Keystone Symposium on Immunologic Memory and Host Defense***, February 8-13, 2009, Keystone, Colorado.

95. Invited speaker: "Regulation of IgA class switching by epithelial cells in response to bacterial stimuli". ***Keystone Symposium on Innate, Adaptive and Regulatory Immune Responses to Intestinal Microbiota***, January 13-18, 2009, Taos, New Mexico.

96. Keynote speaker: "Innate regulation of mucosal immunoglobulin class switching". ***Annual Meeting of the Dutch Society for Immunology***, December 18-19, 2008, Noordwijkerhout, The Netherlands.

97. Invited lecturer: "IgA class switching in HIV infection". ***Immunology Seminar Series at NCI, Vaccine Branch***, November 18, 2008, Bethesda, Maryland.

98. Invited lecturer: "Innate signalling networks in intestinal IgA class switching". ***Immunology Seminar Series at Loyola University***, November 13-15, 2008, Chicago, Illinois.

99. Invited speaker: "Intestinal IgA class switching in HIV infection". ***NIAID Workshop on B Cells and HIV Vaccines***, November 4-5, 2008, Bethesda, Maryland.

100. Invited speaker: "Regulation of intestinal IgA class switching". ***6th European Mucosal Immunology Group Meeting 2008 "EMIG 2008"***, October 8-10, 2008, Rozzano, Italy.

101. Invited speaker and panel discussion member: "Can B cells switch to IgA production locally upon HIV exposure?" ***The 5th Key Symposium on Mucosal Immunity and Novel HIV Vaccine Concepts***, September 11-14, 2008, Rånäs, Sweden.

102. Invited speaker and session chairperson: "AID in HIV infection". ***Workshop on AID Biology***, September 22-23, 2008, Chapel Hill, North Carolina.

103. Invited speaker: "Can B cells switch to IgA production locally upon HIV exposure?" ***Henry Kunkel Society Meeting 2008 on Autoimmunity, Inflammation and Lymphoproliferative Diseases***, May 21-24, 2008, Santa Margherita, Italy.

104. Invited speaker: "BAFF and APRIL: key innate regulators of immunoglobulin heavy chain class switching". ***American Association of Immunology/Experimental Biology Meeting***, April 5-9, 2008, San Diego, California.

105. Invited speaker: "Understanding the regulation of immunoglobulin heavy chain class switching". ***World Immune Regulation Meeting-II***, March 17-20, 2008, Davos, Switzerland.

106. Invited speaker and panel discussion member: "Role of epithelial signals in IgA production and diversification". ***NIAID Workshop on Immune Defense Mechanisms at the Mucosal Surface***, January 29-30, 2008, Bethesda, Maryland.

107. Invited speaker: "Dynamic interactions between bacteria and B cells in GALT". ***Joint MIVAC International Conference on Mucosal Barrier Function and the Role of IgA***, January 19-22, 2008, Göteborg, Sweden.

108. Invited lecturer: "B cells at the crossroads between innate and adaptive immune responses". ***Infectious Diseases and Microbiology Seminar Series at University of Minnesota***, December 27, 2007, Minneapolis, Minnesota.

109. Invited lecturer: "Innate regulatory networks in intestinal IgA class switching". ***Immunology Seminar Series at Mount Sinai School of Medicine,*** November 25, 2007, New York, New York.

110. Invited lecturer: "Innate regulatory networks in intestinal IgA class switching". ***Immunology Seminar Series at Massachusetts General Hospital,*** November 15, 2007, Boston, Massachusetts.

111. Invited lecturer: "Innate immune regulatory networks in intestinal IgA class switching". ***Mucosal Immunology Interest Group at NIAID,*** October 16, 2008, Bethesda, Maryland.

112. Invited speaker: "Regulation of IgA class switching by mucosal epithelial cells". ***New England Immunology Conference***, October 27-28, 2007, Woods Hole, Massachusetts.

113. Keynote speaker: "Regulation of IgA class switching by epithelial cells". ***The 13th International Congress of Mucosal Immunology***, July 9-12, 2007, Tokyo, Japan.

114. Invited speaker and panel discussion member: "Ig class switch recombination in HIV infection". ***Meeting of the Enterprise Working Group on Humoral Immune Responses to HIV and Approaches to Design Antigens that Induce Neutralizing and Other Potentially Protective Antibodies,*** May 14-15, 2007, Reston, Virginia.

115. Invited lecturer: "New insights into the relationship between HIV and B cells". ***Infectious Diseases and Microbiology Seminar Series at Pittsburgh University***, April 27, 2007, Pittsburgh, Pennsylvania.

116. Invited lecturer: "The regulation of intestinal IgA class switching". ***Seminar Series at the Biomedical Research Park of Barcelona***, April 27, 2007, Barcelona, Spain.