



RESEARCH CONFERENCES

ESF-EMBO Symposium

B Cells 2008: Complexity, Integration and Translation

Hotel Eden Roc, Sant Feliu de Guixols (Costa Brava) • Spain
16-21 May 2008

Chair: **John Gordon**, University of Birmingham, UK

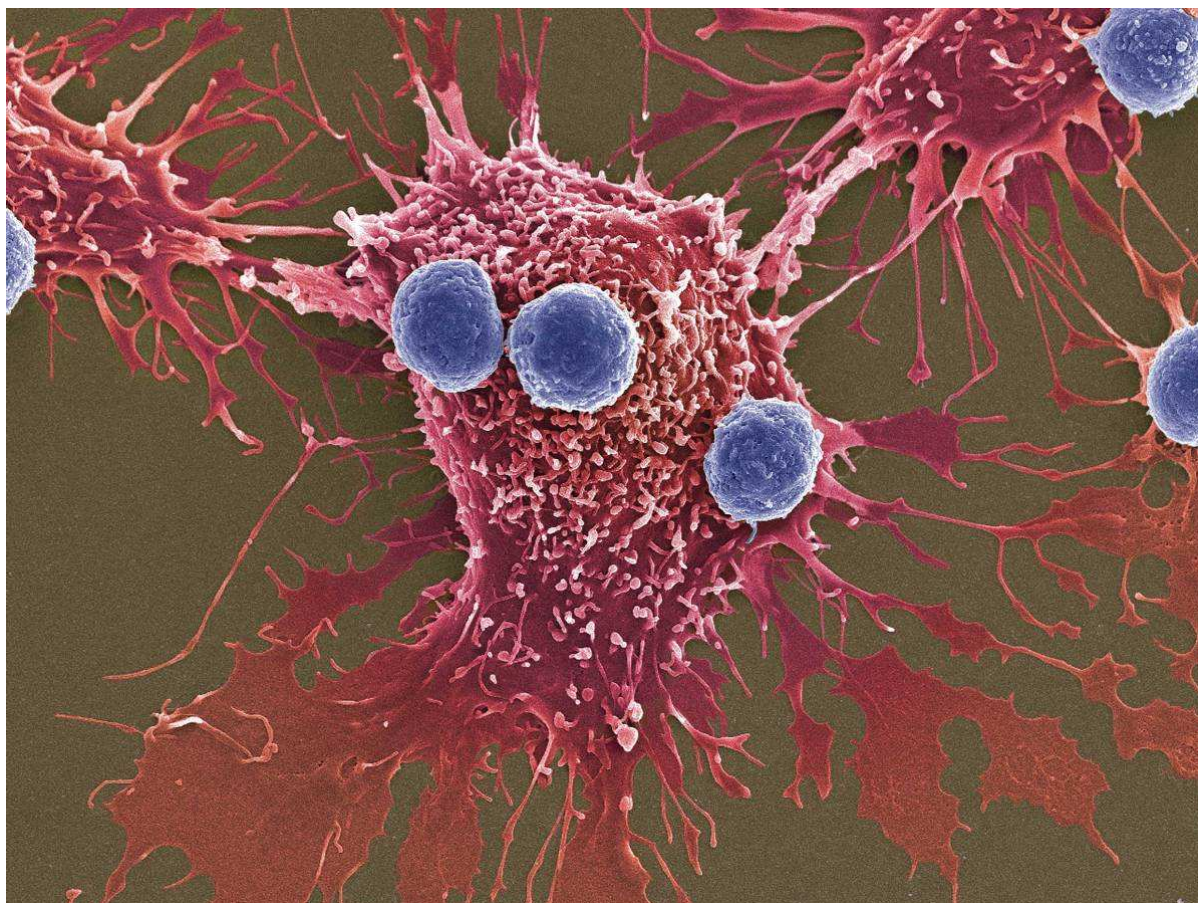
Vice-Chair: **Rita Carsetti**, Research Centre Bambino Gesù' Children
Hospital, Rome, IT

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i Recerca**



Source: F. Batista, London Research institute, Cancer Research UK

Final Programme

Friday 16 May

Late afternoon / early evening	Registration at the ESF-RC desk
19.00	Welcome Drink
20.00	Dinner

Saturday 17 May

09.00-09.15	Conference Opening - on behalf of the European Science Foundation Jan Motlik Academy of Sciences of the Czech Republic, Libechov, CZ
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Session 1: The Mathematics and Physics of B Cells Responses

Chair: **Antonio Freitas**, Institut Pasteur, Paris, FR

09.15-09.55	Ramit Mehr Bar-Ilan University, Ramat-Gan, IL <i>Antigen-driven selection in germinal centers as reflected by the shape characteristics of immunoglobulin gene lineage trees</i>
09.55-10.35	Jose Faro University of Vigo, ES <i>Alternative models of germinal centre dynamics</i>
10.35-11.05	Coffee break
11.05-11.45	EMBO Young Investigator Lecture Facundo Batista Cancer Research UK, London, UK <i>B-cell ligand discrimination through a spreading and contraction response</i>
11.45-12.00	Marc Thilo Figge (short talk) Frankfurt Institute for Advanced Studies, DE <i>Two-photon microscopy of lymphocyte motility in the focus of mathematical analyses</i>
12.00-12.15	Michal Or-Guil (short talk) Humboldt University Berlin, DE <i>Revising affinity maturation: Recirculation of B cells enhances robustness of response towards varying antigens</i>
12.30	Lunch
15.00-16.30	Poster Session 1
16.30-17.00	Coffee break

Session 2: Transcriptional Regulation of B Cell Development

Chair: **Jose Faro**, University of Vigo, ES

17.00-17.40	Bianca Blom University of Amsterdam, NL <i>Transcriptional control of human plasma cell differentiation</i>
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- 17.40-18.20 Olli Lassila
University of Turku, FI
Transcriptional control of plasma cell differentiation
- 18.20-19.00 Carlo Croce
Ohio State University, Columbus, US
Regulation/dysregulation of B-cell function by miRNAs
- 19.30 Dinner

Sunday 18 May

Session 3: B Cell Niches and Homeostasis

Chair: Deborah Dunn-Walters, King's College School of Medicine, London, UK

- 09.00-09.40 Rudolf Manz
German Arthritis Research Centre (DRFZ), Berlin, DE
Stromal niches, plasma cell differentiation and survival
- 09.40-10.20 Antonio Freitas
Institut Pasteur, Paris, FR
Quorum-sensing mechanisms in the control of B cell activation
- 10.20-10.50 Coffee break
- 10.50-11.30 Steven Pals
University of Amsterdam, NL
Heparan sulfate chain flexibility is required for proper B cell maturation and for survival of normal and multiple myeloma plasma cells
- 11.30-11.45 Tamás Czömpöly (short talk)
University of Pécs, HU
Under the shadow of the splenic vascular tree: disturbed homeostasis of B-1 B cells and impaired responses by B-2 B cells linked to vascular re-programming in Nkx2.3 deficiency
- 12.15 Lunch
- 14.30-16.00 Poster Session 2
- 16.00-16.30 Coffee break

Session 4: B Cell Effector Functions

Chair: Rita Carsetti, Research Centre Bambino Gesù' Children Hospital, Rome, IT

- 16.30-17.10 Deborah Dunn-Walters
King's College School of Medicine (KCL), London, UK
Immunosenescence – a loss of B-cell diversity?
- 17.10-17.50 Thierry Defrance
INSERM U-404, Lyon, FR
Contribution of long-lived plasma cell to the humoral immunity conferred by polysaccharidic antibacterial vaccines
- 17.50-18.30 Birgitta Heyman
Uppsala University, SE
Antibody-mediated regulation of the immune response
- 18.30-19.10 Jonathan Braun
University of California, Los Angeles, US
Mesenteric B cells regulate mucosal immunity
- 19.30 Dinner

Monday 19 May

Session 5: B Cells Cross From Bench to Bedside

Chair: Thierry Defrance, INSERM U-404, Lyon, FR

- 09.00-09.40 **Alenka Gagro**
Institute of Immunology (IMZ), Zagreb, HR
The effect of antimalarial agents on B cells in lupus patients
- 09.40-10.20 **Rita Carsetti**
Research Centre Bambino Gesù' Children Hospital, Rome, IT
Marginal zone B cells and immunodeficiency
- 10.20-10.50 Coffee break
- 10.50-11.30 **Jean-Pierre Kolb**
Centre de Recherches des Cordeliers UMRS 872, Paris, FR
TLR-7 ligation triggers apoptosis resistance in B-CLL cells through NF- κ B-dependent stimulation of the NO and BAFF pathways
- 11.30-12.10 **Freda Stevenson**
University of Southampton, UK
Understanding and controlling human B-cell malignancies
- 12.10-12.30 **Yoram Louzon** (short talk)
Bar-Ilan University, Ramat-Gan, IL
BcR-lipid interaction as the only plausible mechanism for BcR signal transduction: in-silico Cell Surface Modeling
- 12.45 Lunch
- 15.30-16.10 **Carl Borrebaeck**
Lund University, SE
Proteomic approaches to biomarker discovery in B-cell malignancies
- 16.10-17.10 **Keynote Speaker**
Louis Staudt
National Cancer Institute, Bethesda, US
Functional genomics of lymphoid malignancies
- 17.10-17.40 Coffee Break
- 17.40-17.55 **Anders Rosén** (short talk)
Linköping University, SE
A new perspective: Molecular motifs on oxidized-LDL, apoptotic cells, and bacteria are targets for B-CLL Abs
- 17.55-18.10 **Andreas Moosmann** (short talk)
University of Munich, DE
Conditional immortalization of human B cells by CD40 ligation
- 18.10-18.25 **Joergen Petersen** (short talk)
Genmab A/S, Copenhagen, DK
Ofatumumab, a novel antibody therapeutic approach for B cell neoplasias and autoimmunology
- 19.30 Dinner

Tuesday 20 May

Session 6: A Dialogue Between B Cells and the Central Nervous System

Chair: Thomas Connor, University of Dublin, IE

09.00-09.40	Mia Levite The Weizmann Institute of Science, Rehovot, IL <i>Glutamate receptor antibodies can cause brain damage in Epilepsy, SLE and Encephalitis</i>
09.40-10.20	Rainer H. Straub University Hospital, Regensburg, DE <i>Hormonal influences on B cells - a possible impact of stress?</i>
10.20-10.50	Coffee break
10.50-11.30	John Gordon University of Birmingham, UK <i>NeuroImmunoPharmacology – Mining CNS pathways for lymphoma therapeutics</i>
11.30-11.45	Agata Magdalena Wasik (short talk) University of Birmingham, UK <i>Analogues of MDMA/‘Ecstasy’ as potential anti-neoplastics in non-Hodgkin’s lymphoma</i>
11.45-12.00	Elena Martinova (short talk) Russian Academy of Medical Sciences, Moscow, RU <i>Regulation of B cell function by chemical and natural sphingolipid compounds</i>
12.00-12.15	David Stott (short talk) University of Glasgow, UK <i>The B-cell Response to Peptide Mimotopes of Hepatitis A Virus</i>
12.30	Lunch
15.00-16.30	Poster Session 3
16.30-17.00	Coffee break

Session 7: Impact of Legal and Illegal Psychotropics on B Cell function

Chair: Mia Levite, The Weizmann Institute of Science, Rehovot, IL

17.00-17.40	Rafael de la Torre Institut Municipal d'Investigacio Medica (IMIM), Barcelona, ES <i>Impact of recreational drugs on B-cell responses</i>
17.40-18.20	Thomas Connor University of Dublin, IE <i>Anti-inflammatory actions of antidepressants: A new indication for an old class of drugs?</i>
18.20-19.20	Forward Look Plenary Discussion
19.45	Get-together & Conference Dinner

Wednesday 21 May

Breakfast & Departure

Abstracts, Posters & Short Oral Presentations

There will be no short oral presentations other than those listed in the programme. All abstracts are accepted for poster presentation. Participants presenting a short talk may bring a poster if they wish.

A poster prize sponsored by EMBO will be awarded to the best poster.