

International Symposium
"Recombinant Antibodies: new developments for future challenges"

Madrid, **October 20-22, 2008**

Venue: CNIO Auditorium

Final program

Monday 20th October 2008

12:00-15:00 *Reception and registration. Lunch.*

15:00-16:00 Welcome by Organizers and Opening Conference

Dr. Greg Winter, Medical Research Council Laboratory of Molecular Biology, Cambridge, UK
The evolution of antibodies

SESSION I

Chair: **Dr. Luis Álvarez-Vallina**, Hospital Universitario Puerta de Hierro- HUPH, Madrid, Spain

16:00-16:30 **Dr. Serge Muyldermans**, Vrije Universiteit Brussel, Vlaams Interuniversitair Instituut voor Biotechnologie, Brussels, Belgium
Camel single domain antibodies for therapeutic and research applications

16:30-17:00 *Coffee break and Poster session*

17:00-17:30 **Dr. Andreas Plückthun**, University of Zürich, Switzerland
Engineering repeat proteins for therapy using combinatorial and evolutionary technologies

17:30-18:00 **Dr. Peter Kristensen**, University of Aarhus, Denmark
Targeting the signalosome in angiogenesis, using recombinant antibodies

18:00-18:30 **Dr. Stefan Dübel**, Technical University of Braunschweig, Germany
Engineering the "front and far ends" of human antibody fragments

18:30-19:30 *Poster session and Networking refreshments*

SESSION II

Chair: **Dr. Jorge Martinez Torrecuadrada**, CNIO, Madrid, Spain

- 9:30-10:00 **Dr. Josefin-Beate Holz**, Ablynx, Ghent, Belgium
Nanobody® development from bench to bedside
- 10:00-10:30 **Dr. Roland Kontermann**, Institut für Zellbiologie und Immunologie Universität
Stuttgart, Germany
*Strategies to improve pharmacokinetics of small recombinant antibody
molecules*
- 10:30-11:00 *Coffee break and Poster session*
- 11:00-11:30 **Dr. Xiao-Qing Qiu**, West China Hospital, Sichuan University, P. R. of China
The generality of V_HCDR1-V_HFR2-V_LCDR3 antibody mimetics
- 11:30-12:00 **Dr. Mats Ohlin**, Lund University, Sweden
*Recombinant antibodies in proteome and immunome research – Create
health and beyond*
- 12:00-12:30 **Dr. Luis Ángel Fernández**, Centro Nacional de Biotecnología - CSIC,
Madrid, Spain
*Use of E. coli protein secretion systems for expression and selection of
Nanobodies*
- 12:30-14:30 *Lunch and Poster session*

SESSION III

Chair: **Dr. Luis Ángel Fernández**, CNB- CSIC, Madrid, Spain

- 14:30-15:00 **Dr. George Georgiou**, University of Austin, Texas, USA
*A platform technology for the selection, engineering of Fc domains for
optimal ADCC and preparative expression of full length IgGs in E. coli*
- 15:00-15:30 **Dr. Itai Benhar**, Tel Aviv University, Israel
*Production of IgG antibodies and IgG-fusion proteins in E. coli by
refolding*
- 15:30-16:00 *Coffee break and Poster session*
- 16:00-16:30 **Dr. Terence Rabbitts**, Leeds Institute of Molecular Medicine, Leeds, UK
*Using antibody fragments to understand and interfere with lung cancer in
pre-clinical models*
- 16:30-17:00 **Dr. Helen Dooley**, University of Maryland, Baltimore, USA
Shark immunity bites back: the story of IgNAR single-domain antibodies
- 17:00-17:20 **Dr. Marta Ayala**, Center for Genetic Engineering and Biotechnology, Havana,
Cuba
*Short-talk: A fully human phage scFv antibody fragment that blocks
human VEGF-KDR interaction and defines a novel neutralizing epitope
on human VEGF*

- 17:20-17:40 **Dr. Kurt De Groeve**, VUB-VIB, Brussels, Belgium
Short-talk: *Generation of nanobodies against dendritic cell surface molecules for Ag delivery to different DC-populations in situ*
- 17:40-18:00 **Dr. Patrick Chames**, CNRS, Marseille France
Short-talk: *Efficient cell-mediated cytotoxicity using domain antibody-based bispecific molecules for cancer therapy*
- 18:30 *Buses from CNIO to Plaza de Oriente*
19:30 *Guided tour around "Madrid de los Austrias" (walking)*
21:00 *Buses from Plaza de Oriente to the organized dinner of the Symposium (Restaurant "Casa America", Paseo de Recoletos 2 - Plaza Cibeles)*

Wednesday, 22nd October 2008

SESSION IV

Chair: **Dr. Serge Muyldermans**, VIB, Brussels, Belgium

- 9:30-10:00 **Dr. Laurent Jespers**, Domantis Ltd. Cambridge, Cambridge, UK
Human domain antibodies: a versatile platform to target cancer antigens
- 10:00-10:30 **Dr. Antonino Cattaneo**, SISSA and European Brain Research Institute, Trieste, Italy
Protein silencing: engineering intrabodies for targeted protein degradation
- 10:30-11:00 **Dr. Jorge Martinez Torrecuadrada**, CNIO, Madrid, Spain
Development of recombinant antibodies for bladder cancer therapy
- 11:00-11:30 *Coffee Break*
- 11:30-12:00 **Dr. Luis Álvarez-Vallina**, HUPH, Madrid, Spain
In situ secretion of therapeutic antibody fragments

12:00-12:45 Closing conference

Dr. Dario Neri, ETH, Zurich, Switzerland

Vascular targeting antibodies for the therapy of cancer and arthritis: from the bench to the clinic

- 12:45-13:00 *Closing remarks from organizers - End of the Symposium*
- 13:00-14:00 *Lunch*