

Thursday June 16, 2011

Opening

The history of ISMR

K. Mosbach, University of Lund/S

Evolutionary Engineering for Affinity and Drug Design

C. Lowe, University of Cambridge/UK

C. Roque, Universidade Nova de Lisboa, Caparica/P

Keynote

Computational modeling and combinatorial techniques for the design
C. Lowe, University of Cambridge/UK

Learning from nature to improve biomimetic affinity ligands for an
R.J.F. Branco, A.M.G.C. Dias, A.C.A. Roque, Universidade Nova de Lisboa,

Engineering bispecificity into a single albumin-binding domain aim
J. Nilvebrant, T. Alm, S. Hober, J. Löfblom, Royal Institute of Technology, St

Protein-Protein interactions via stabilization energy between side chains
J. Vondrasek, J. Kysilka, B. Fackovec, Academy of Sciences of the Czech rep

Identification of Ceramic Fluorapatite-binding Peptides from Phage Based Bioseparation

T. Islam, J. Futuwi, R.R. Vennapusa, M. Fernández-Lahore, Jacobs Universi

Kinetics and Thermodynamics of Biomolecular Interactions

H. Jennissen, University of Duisburg-Essen/D

J. Asenjo, University of Chile, Santiago/RCH

Pierce Award and Keynote

Staphylococcal protein A and camelid antibody affinity chromatography
A. Jungbauer, University of Natural Resources and Life Sciences, Vienna/A

Intelligent interaction analysis using microscale thermophoresis
M. Jerabek-Willemsen, C.J. Wienken, Center for NanoScience (CeNS) and U

Comprehensive study of the interactions between nucleotides and cl
C. Cruz, Universidade da Beira Interior, Covilhã/P; E.J. Cabrita, University Interior, Covilhã/P

Antibodies, ion-exchangers, and aptamers: three modes of protein r
K. Kourentzi, I. Kanakaraj, J. Fu, W. Chen, University of Houston, TX/USA; Houston, TX/USA; C. Landes, Rice University, Houston, TX/USA; R.C. Wills

Isoforms of the monoclonal anti-Rh(D) exert different antigen-binding
A. Tscheliessnig, University of Natural Resources and Life Sciences, Vienna/ Wong, Y. Y. Lee, J. Chusainow, R. Philp, M. M. Lee, Bioprocessing Technolo Sciences, Vienna/A; A. Choo, Bioprocessing Technology Institute, Singapore.

Transient-state kinetics of protein adsorption on solid surfaces mea
H.P. Jennissen, M. Meißner, T. Zumbink, University of Duisburg-Essen, Ess

Prostate specific antigen: serine protease activity and Zinc inhibition
N. Mrabet, Nancy University School of Medicine/F; K. Chadha, Roswell Par. Bioseparation Technology, Vellore/IND

Studies of membrane protein interactions: challenges, possibilities a
S. Löfås, R. Karlsson, GE Healthcare Bio-Sciences AB, Uppsala/S

Friday June 17, 2011

Affinity Interactions in Cell Biology & Health

Saturday June 18, 2011

Affinity Based Bioprocessing - Glyco-Compounds in Bioprocessing

M.A. Vijayalakshmi, Université de Technologie de Compiègne/F

Terminal-specific PEGylation of rhEGF using self-cleavable intein aff
J.H. Kang, Hanyang University, Ansan/ROK; E.K. Lee, Kyungwon Univer

Affinity and selectivity in the separation of glyco-compounds
H. Rosenfeld, B. Niemyer, Helmut-Schmidt University, University of the Feder

Glycolipids: improvement of therapeutic potential through the design
A. Ribeiro, H. Azevedo, F. Castro, H. Ribeiro, University of Lisbon/P

Affinity based purification of human monoclonal antibodies from CH
L. Borlido, A.M. Azevedo, Institute for Biotechnology and Bioengineering, Lisb for Biotechnology and Bioengineering, Lisboa/P

One step preparative protein purification using affinity based magnet
P. Miethe, A. Preußner-Kunze, K. Frankenfeld, f2mb GmbH Research Centre for Franzreb, Karlsruhe Institute of Technology/D

Affinity Based Bioprocessing - Nucleic Acids Bioprocessing

R. Aires-Barros, Instituto Superior Técnico, Lisbon/P

J. Quiroz, Universidade da Beira Interior/Portugal

Keynote

Molecular tools - optimization and use of affinity molecules
S. Hober, Royal Institute of Technology, Stockholm/S

On the adsorption of cell impurities from plasmid-containing lysates t
A.G. Gomes, A.M. Azevedo, M.R. Aires-Barros, D.M.F. Prazeres, Insituto Supe

Amino acids as ligands for the affinity purification of plasmids in aqu
P.A. Jorge, N.M. Silva, J.A. Martins, J.C. Marcos, University of Minho, Braga/

A new effective method for purifying Escherichia coli small and ribos
A. Martins, J.A. Queiroz, F. Sousa, University of Beira Interior, Covilhã/P

Affinity Based Bioprocessing - Noval Supports & Models for Chromatography

G. Ferreira, University of Algarve, Faro/P

A. Jungbauer, University of Natural Resources and Life Sciences, Vienna/A

Adsorption of proteins and peptides with polymer controlled permeat
O. Gonzalez-Ortega, J. Porath, R. Guzman, The University of Arizona, Tucson,

A mathematical model for protein purification with affinity membran
C. Boi, Università di Bologna/I; S. Dimartino, University of Canterbury, Christ

The role of affinity in the rational selection and mathematical modelli
J. Asenjo, G. Sandoval, University of Chile, Santiago/RCH; C. Shene, Universi

YIA - Young Investigator Award

Selected poster presentations

and Journal of Molecular Recognition YEAR

J. Gonçalves, Universidade de Lisboa/P
A. Plückthun, University of Zurich/CH

Keynote

Towards single-molecule proteomics with designed binding proteins
A. Plückthun, University of Zurich/CH

Natural and small molecule-driven exchange of MHC class II bound
S. Guenther, FMP/MDC, Berlin/D; A. Schlundt, J. Sticht, FMP/FU, Berlin/D
Tuebingen/D; K. Falk, MDC, Berlin/D; O. Roetzschke, SigN, Singapore/SGP

Epitope mapping of HPA antibodies

B. Hjelm, C. Fernandez, B. Forsström, Royal Institute of Technology, Stockh
Ståhl, M. Uhlén, Royal Institute of Technology, Stockholm/S

Targeting viral infectivity factor (Vif) as a molecular therapy appro
S.S. Soares, L. Pedro, G.N.M. Ferreira, Universidade do Algarve, Faro/P

A method for directed conjugation of affinity molecules

A. Konrad, A. Eriksson Karlström, S. Hober, Royal Institute of Technology, S

Transient biological interactions and their applications in diagnostic
S. Ohlson, Linnaeus University, Kalmar/S

Real time interaction analysis of 125I-EGF - EGFR on living cells re
H. Björkelund, L. Gedda, K. Andersson, Uppsala University/S

Biomaterials, Biomimetics & Self Assembling

K. Haupt, Université de Technologie de
Compiègne/F

K. Mosbach, University of Lund/S

Keynote

Molecularly imprinted nanogels as specific enzyme inhibitors
K. Haupt, Université de Technologie de Compiègne/F

Studies on molecular recognition ability of computationally designe
S. Pardeshi, Visvesvaraya National Institute Of Technology, Nagpur/IND; R.
Nagpur/IND; A. Kumar, Visvesvaraya National Institute Of Technology, Nag

Bone grafting materials as affinity tailored biomaterials for the imr
M. Laub, University of Duisburg-Essen, Essen/D; K. Zurlinden, Morphoplan

Molecularly imprinted polymer films as sensory materials for the se
M. Bijiakal, W. Wan, BAM Federal Institute for Materials Research and Testi
Rurack, BAM Federal Institute for Materials Research and Testing, Berlin/D

The titanium dioxide-binding protein - DLDH: structure and functi
G. Fleminger, Tel Aviv University/IL

Travel Bursaries for Young Scientists

S. Hober, Royal Institute of Technology,
Stockholm/S

A. Azevedo, Instituto Superior Técnico, Lisbon/P

Development of a Protein G mimetic for the purification of immunogl
G. El Khoury, L.A. Rowe, C.R. Lowe, University of Cambridge/UK

Nanofitins as a source of stable proteins with affinity and specificity fo
A

G. Béhar, S. Colinet, Université de Nantes/F; M. Bellinzoni, CNRS URA 2185, .
Alzari, CNRS URA 2185, Paris/F; X. He, Bio-Rad Laboratories, Hercules/USA

High throughput purification of monoclonal antibodies - evaluation of
E. Müller, TOSOH BIOSCIENCE GmbH, Stuttgart/D; U. Breuninger, Universi.

Sunday June 19, 2011

Nanotec & Single Molecule Detection

R. Wilson, University of Texas, Houston,
TX/USA

G. Ferreira, University of Algarve, Faro/P

Keynote

Affinity at the micro and nano scales: diagnostic applications
R. Wilson, University of Texas, Houston, TX/USA

Mechanical properties of biological films with the QCM

B. Tomé, J. de-Carvalho, R.M. Rodrigues, G.N.M. Ferreira, University of Alga

Highly sensitive microfluidic pathogen detector system based on micro
J. Knoop, E. Cacao, T. Sherlock, B. Raja, A. Kar, K. Kourentzi, S. Kemper, P. I
Branch at Galveston, TX/USA; R. Atmar, Baylor College of Medicine, TX/USA;
University of Houston, TX/USA

Amorphous silicon photodiode as a platform for biomolecular interac
C. Vistas, Institute for Biotechnology and Bioengineering, Faro/P; J.P. Conde,
for Biotechnology and Bioengineering, Faro/P

Microtiter plates as a representative system for enzymatic hydrolysis
M.A. Nunes, University of Lisbon/P; P.C. Fernandes, Instituto Superior Técnico

Testing G protein coupled receptor targets in cells at different scales u
platforms

J. Trabuço, S.A.M. Martins, G.A. Monteiro, IST, Lisboa/P; V. Chu, J.P. Conde,
Lisboa/P

Real-time single-molecule imaging of HIV-1 capture by mature dendr
O. Esteban, Institute for Bioengineering of Catalonia (IBEC), CIBER-BBN, Ba
Badalona/E; M.F. Garcia-Parajo, Institute for Bioengineering of Catalonia (IB

