Preliminary Program

2nd Forum B Cell Biology

Potsdam, 11 - 13 March 2004

local organizing committee:

Claudia Berek
Hilmar Frank
Falk Hiepe
Rudolf A. Manz
Marion Nowak
Petra Starke
Andreas Radbruch
Christine Raulfs

- all talks maximum 15 minutes plus 5 minutes discussion,
- please hand in your powerpoint presentation at latest in the break before your session,
- please provide powerpoint presentation on USB-stick or CD,
- sorry, no personal laptops can be used for presentation
This event is sponsored by Miltenyi Biotec, BD Biosciences and the DRFZ.

Thursday, 11 March 2004

17:00 registration starts

18:00 dinner

19:30 Constitutive assembly of the working group "Biologie der B-Lymphozyten" of the Deutsche Gesellschaft für Immunologie

provisional agenda: report on activities
election of chairperson, vice chairperson;
discussion of the next meeting
upcoming topics on demand

20:30 key note lecture: B cells and Immunity
("surprise speaker")
Friday, 12 March 2004

07:30 breakfast

pre B Cell Receptor in pre B cell differentiation

Chair: Hans-Martin Jäck and Fritz Melchers

09:00 Ligand-induced and ligand-independent selection of early pre-B cells
Hans-Martin Jäck (Erlangen)

09:20 Signalling properties of the pre-B cell receptor
Fritz Melchers (Berlin/Basel)

09:40 Downregulation of the VDJ recombinas machinery by the mu-heavy chain in the absence of surrogate light chain
Thomas Winkler (Erlangen)

10:00 Human B cell development in mice reconstituted with human CD34 stem cells
Hermann Eibel (Freiburg)

10:20 coffee
Transcriptional control of early B cell development

*Chair: Hermann Eibel and Berit Jungnickel*

10:40 Selection processes of the B cells in a mouse with inducible B cell development
   Michael Reth (Freiburg)

11:00 The role of adaptor proteins in B cell development
   Hassan Jumaa (Freiburg)

11:20 Inhibition of BCR-ABL1 in pre-B acute lymphoblastic leucemia cells induces sequential rearrangement of Igκ, kappa-deleting element and IgL light chain genes
   Markus Műschen (Düsseldorf)
B Cell Receptor signalling

Chair: Michael Reth and Werner Müller

11:40 Regulation of BCR-induced calcium mobilization from intra- and extracellular stores
   Jürgen Wienands (Bielefeld)

12:00 Investigating the role of Igβ signalling function during late stages of B-cell development.
   Nathalie Uyttersprot (München)

12:20 The cytosolic adapter molecule SKAP-HOM is involved in the regulation of B cell adhesion
   Annegret Gerber/Mauro Togni (Magdeburg)

12:40 Analysis of the interaction of the B cell antigen receptor with the negative regulators SHIP and PKC-delta
   Michael Huber (Freiburg)

13:00 lunch
(Transcriptional) control of B cell development
Chair: Lars Nitschke and Jürgen Wienands

14:30 Identification of B cell lipid raft proteins reveals unexpected protein composition
Dirk Mielenz (Erlangen)

14:50 BKLF over-expression influences final B cell maturation
Jörg Kirberg (Freiburg)

15:10 The influence of EBV viral genes and their cellular homologues on B cell development
Ursula Zimber-Strobl (München)

15:30 Molecular aspects of the terminal differentiation of B cells
Ingolf Berberich (Würzburg)

15:50 Chemokine receptor CCR9 in plasma cell migration
Oliver Papst/Reinhold Förster (Hannover)

16:10 coffee
Gene conversion, hypermutation, switch recombination

Chair: Harald Illges and Klaus-Dieter Fischer

16:40 Immune responses in the absence of secreted IgM
Ari Waisman (Köln)

17:00 Genetic events in germinal center B cells
Berit Jungnickel (München)

17:20 Molecular analysis of human IgD-only memory B cells and plasma cells:
Implications for the development of an unusual human B cell subset
Ralf Küppers (Essen)

17:40 Replacement of immunoglobulin gene conversion by hypermutation in the
absence of pseudogene donors
Hiroshi Arakawa (München)

18:00 Episomal vectors to monitor and induce somatic hypermutation in human cell
lines
Jürgen Bachl (München)

18:20 The IgV gene database: providing an automatically derived high quality
immunoglobulin V gene sequence database
Werner Müller (Braunschweig)

19:00 dinner

an evening to chat and discuss
Saturday, 13 March 2004

07:30 breakfast

Late B cell development
Chair: Thomas Winkler and Ari Waisman

09:00 Chemokines and chemokine receptors regulating IgG-plasma cell responses
Rudi Manz (Berlin)

09:20 Dendritic cells in terminal B cell differentiation
Katrin Hebel (Berlin)

09:40 Anti-GPI-antibody transfer to study early and late phase of arthritis
Harald Illges (Konstanz)

10:00 Longevity of the B cell response in a mouse malaria model
Ariel Achtmann (Berlin)

10:20 Longevity of the autoimmune B cell response in NZB/W mice
Falk Hiepe (Berlin)

10:40 Lamarckian inheritance by somatically acquired maternal IgG phenotypes
Hilmar Lemke (Kiel)

11:00 coffee
B cell memory and effector functions

Chair: Ralf Küppers and Hilmar Lemke

11:30 Suppression of the CNS autoimmunity by IL-10 producing B cells
Simon Fillatreau (Berlin)

11:50 Regulation of marginal zone B cells and marginal sinus by lysophospholipids
Klaus-Dieter Fischer (Ulm)

12:10 The BCR-ABL1 kinase uncouples BTK from the per-B cell receptor and
bypasses selection for pre-B cell receptor dependent survival signals in
acute lymphoblastic leukemia cells
Niklas Feldhahn (Düsseldorf)

12:30 Characterization of proteins which bind the cytoplasmic tail of IgE in vivo
Gernot Achatz (Salzburg)

12:50 Regulation of B cell activation by CD22 and siglecs
Lars Nitschke (Würzburg)

13:10 farewell soup