

4th European CellAid-Symposium
Cell Therapies for a Cure of Autoimmunity
German Academy of Sciences Leopoldina



March 18 - 20, 2009 , Kongresshotel Potsdam "Am Templiner See"
Potsdam (near Berlin), Germany

➤ **Chairs**

Gerd-Rüdiger Burmester, Berlin
Andreas Radbruch, Berlin

➤ **Local Organising Committee, Berlin**

Gerd-Rüdiger Burmester
Falk Hiepe
Elke Luger
Andreas Radbruch
Andreas Thiel

➤ **Program committee**

Renate Arnold, Germany
Andrew Cope, UK
Christian Jorgensen, France
Steffen Gay, Schweiz
Falk Hiepe, Germany
Rikard Holmdahl, Sweden
Lars Klareskog, Sweden
Rene van Lier, Netherlands
Wlodzimierz Maslinski, Poland
Roland Martin, Germany
Ian McInnes, UK
Pierre Miossec, France
Andreas Radbruch, Germany
Sergio Romagnani, Italy
Stefan Rose-John, Germany
Riccardo Saccardi, Italy
Reinhold Schmidt, Germany
Andreas Thiel, Germany
Alan Tyndall, Schweiz

➤ **Support**

Leopoldina, Alfried Krupp von Bohlen und Halbach Stiftung, EULAR, EFIS, DFG, DRFZ,
Charité, Becton-Dickinson, Miltenyi, Roche, Euroimmun AG

Preliminary Scientific Program

Wednesday, March 18, 2009

1:00 pm	Arrival, registration, media transfer at registration counter “get together” snacks
2:00 pm	Opening remarks Gerd-Rüdiger Burmester Andreas Radbruch
	From Pathomechanisms to Cellular Targets Chairs: J.R. Kalden, Erlangen and G.-R. Burmester, Berlin
2:15 pm	Marcel van den Brink , New York <i>Off-the-shelf adoptive cell therapy with T cell precursors across MHC barriers</i>
2:40 pm	Rick Holmdahl , Stockholm <i>Therapeutic possibilities interacting with arthritogenic antibodies</i>
3:05 pm	Steffen Gay , Zürich <i>Epigenetics in Rheumatic Diseases</i>
3:30 pm	Bruno Kyewski , Heidelberg <i>How central is central tolerance?</i>
3:55 pm	Coffee break
4:20 pm	Tobias Bopp , Mainz <i>Mechanisms of nTreg-mediated suppression</i>
4:45 pm	Christian Jorgensen , Montpellier <i>Genetic biomarkers for selected biotherapies in RA</i>
5:10 pm	Matthias Edinger , Regensburg <i>Adoptive Treg cell transfer in stem cell transplantation</i>
	B cells and Plasma Cells Chair: Günter Steiner, Wien and Falk Hiepe, Berlin
5:35 pm	David Tarlinton , Melbourne <i>Antagonising Pro-Survival Pathways to Modulate Immune Response</i>
6:00 pm	Simon Fillatreau , Berlin <i>Activated B cells in immunity: the case for a regulatory role</i>
6:25 pm	Reinhard Voll , Erlangen <i>Plasma cell depletion by proteasome inhibitors in the treatment of lupus-like disease in mice</i>
7:00 pm	Dinner-Bufferet

Thursday, March 19, 2009

Proinflammatory T cells

Chair: Rene van Lier, Amsterdam and Andreas Radbruch, Berlin

- 09:00 am **Francesco Annunziato**, Florence
Human IL-17-producing cells: origin and development
- 09:25 am **Pierre Miossec**, France
IL-17 and Th17: contribution to arthritis chronicity
- 09:50 am **Hyun-Dong Chang**, Berlin
The pro-inflammatory immunological memory
- 10:15 am **Ken Smith**, Cambridge
A CD8 T cell transcription signature predicts prognosis in autoimmune disease

10:40 am Coffee break

Regulatory T cells

Chairs: Reinhold Schmidt, Hannover and Wlodzimierz Maslinski, Warsaw

- 11:05 am **Alf Hamann**, Berlin
Stability and Epigenetic of Tregs
- 11:30 am **Berent Prakken**, Utrecht
Regulatory T cells in autoimmunity: good guys, bad guys, or incompetent bystanders?
- 11:55 am **Hans Koenen**, Nijmegen
Human regulatory T cell expansion, antigen specificity and plasticity; lessons learned from allo-antigens

12:20 pm Lunch

MSC, NK-cells & other cells

Chairs: Thomas Pap, Münster and Ulf Müller-Ladner, Gießen

- 13:20 pm **Francesco Dazzi**, London
*Mesenchymal stem cells and autoimmune disease – part I
- the molecular basis for immunosuppression*
- 13:45 pm **Lorenzo Moretta**, Genoa
Alloreactive NK cells in the therapy of high risk leukemias

14:10 pm Coffee break

Lessons from Clinical Stem Cell Reconstitutions

Chair: Dominique Farge, Paris and Ina Kötter, Tübingen

- 14:35 pm **Ricardo Saccardi**, Florence
*Haematopoietic stem cell transplantation in autoimmune diseases:
The EBMT Experience*
- 15:00 pm **Dominique Farge**, Paris
Long term results of hematopoietic stem cell transplantation: 1996-2008

15:25 pm	Renate Arnold , Berlin <i>Haematopoietic Stem Cell Transplantation in SLE</i>
15:50 pm	Wietse Kuis , Utrecht <i>The role of stemcell transplantation and mesenchymal stemcells in pediatric rheumatology</i>
16:15 pm	Roland Martin , Hamburg NN
16:40 pm	Jaap van Laar , Newcastle upon Tyne <i>Risks and benefits of stem cell transplants, lessons learned in systemic sclerosis</i>
17:05 pm	Andreas Thiel , Berlin NN
18:00 pm	Speakers Dinner

Friday, March 20 2009

	Novel Concepts of Cell-Based Therapies Chair: Dietger Niederwieser, Leipzig and Hans-Dieter Volk, Berlin
09:00 am	Alexander Scheffold <i>Self-limitation of proinflammatory T cells as therapeutic strategy</i>
09:25 am	Alan Tyndall , Basel <i>Mesenchymal stem cells and autoimmune disease – part II - animal models and translational programs</i>
09:50 am	Petra Reinke , Berlin <i>T-cell therapy - a new therapeutic approach</i>
10:15 am	Coffee break
10:40 am	Hans-Dieter Volk , Berlin <i>Crosstalk between stem cells and immune cells</i>
11:05 am	Birgit Sawitzki , Berlin <i>Transfer of alloantigen specific Tregs to prevent rejection of allogeneic Transplants</i>
11:30 am	Andreas Grützkau , Berlin <i>To be on the safe side: Multiparametric immunophenotyping of peripheral blood cells for monitoring of cell-based therapies</i>
	European Perspectives Chair: Andreas Radbruch, Berlin and Ulf Wagner, Leipzig
11:55 am	Arnd Hoeveler , Brussels EC Research, Directorate Health, Head of Unit Biotechnology <i>Perspectives for cell-based immunotherapies</i>
12:30 pm	Lunch