



**PD Dr. med. Philippe Stock**

**Current position**

Consultant in Pediatric Pneumology and Allergology  
Head of Experimental Allergy  
Dept. of Pediatric Pneumology and Immunology  
Charité University Medicine Berlin (Director: Prof. Dr. U. Wahn)

**Training Milestones**

- Since 2008 Member of Faculty of Pediatrics at the Charité, Humboldt University (Habilitation and venia legendi)
- since 2008 Consultant in Pediatric Pneumology and Allergology, Dept. of Pediatric Pneumology and Immunology, Charité University Medicine Berlin
- 2004-2008 Fellow in Pediatric Pneumology and Immunology, Charité University Medicine Berlin
- since 2007 Specialist in Pediatrics
- 2006 Research Grant of the German Research Foundation, DFG
- 2006 Individual Research Grant of the Charité, Humboldt University Berlin
- 2004 Research Grant of the German Research Foundation, DFG
- 2001 – 2004 Postdoctoral Research Fellow: Division of Allergy & Immunology, Department of Pediatrics, Stanford University, U.S.A. (Prof. Dr. Dale T. Umetsu)
- 2001 Postdoctoral Research Fellow: Biomedical Research Center, Department of Pediatric Pneumology/Immunology, Charité, Humboldt-University of Berlin, Germany
- 1999 – 2001 Rotating Residency at the Department of Pediatrics, Charité, Humboldt-University of Berlin, Germany
- 1999 Doctoral Thesis: Brigham and Women's Hospital, Harvard Medical School, Boston, USA and the Max-Delbrück-Center of Molecular Medicine, Humboldt University Berlin

1991 – 1999 Medical School (Humboldt University Berlin, Harvard Medical School Boston, Great Ormond Street Hospital for Children London)

### **Awards / Scholarships / Patents**

- 2007 Klosterfrau Award for Childhood Asthma
- 2006 Herbert-Herxheimer Research Award of the German Society for Allergy and Clinical Immunology (DGAKI)
- 2005 Patent: Regulatory T Cells (Stanford University Office of Technology Licensing S04-241)
- 2001 Research Scholarship of the German Research Foundation, DFG (STO 467/2-1 “Protective Immunity against TH2-Polarized Diseases”)
- 1998 Scholarship of the International Student Exchange program ERASMUS/SOKRATES of Charité, Medical Department of Humboldt-university of Berlin
- 1995 - 1996 Scholarship of the research program „Biomedical Sciences Exchange Program between North America and Europe“ (BMEP) of the German Academic Exchange Foundation (DAAD)
- 1987 Scholarship of the student exchange program „American Secondary Schools for International Students and Teachers“ (ASSIST)

### **Memberships**

- GPP (Society of Pediatric Pneumology)
- DGAKI (German Society of Allergy and Clinical Immunology)
- EAACI (European Academy of Allergy and Clinical Immunology)
- DGKJ (German Society of Pediatric and Adolescent Medicine)
- GDNÄ (Society of German Researchers and Physicians)

### **Current research interests**

- Cellular Allergology
- Regulatory T cells
- NKT cells
- Severe bronchial asthma

## 10 selected Publications

1. **Stock P**, Lombardi V, Kohlrautz V, Akbari O: Induction of airway hyperreactivity by IL-25 is dependent on a subset of invariant NKT cells expressing IL-17RB; *J Immunol* 2009 vol. 182 (8)
2. Akbari O, **Stock P**, Meyer EH, Freeman GJ, Sharpe AH, Umetsu DT, DeKruyff R: ICOS/ICOSL interaction is required for CD4+ iNKT cell homeostatic survival and function. *J Immunol* 2008; 180
3. **Stock P**, Akbari O. Recent Advances on the Role of NKT Cells in Allergic Diseases and Asthma. *Current Allergy and Asthma Reports* 2008, 8 (2)
4. Dittrich AM, Erbacher A, Diesner F, Krokowski M, Steinhausen S, **Stock P**, Awagjan A, Quarcoo D, Ahrens B, Hoffmann W, Hamelmann E. Helminth infection with *Litomosoides sigmodontis* induces regulatory T cells and inhibits allergic sensitization, airway inflammation and hyperreactivity in a murine asthma model. *J Immunol* 2008 (180): 1792–1799
5. **Stock P**, Rolinck-Werninghaus C, Wahn U, Hamelmann E. The Role of Anti-IgE Therapy in Combination with Allergen Specific Immunotherapy for Allergic Rhinitis. *Biodrugs* 2007; 21 (6): 403-410
6. **Stock P**, Dekruyff RH, Umetsu DT Inhibition of the Allergic Response by Regulatory T Cells. *Curr Opin Allergy Clin Immunol* 2006, 6:12–16
7. **Stock P**, Akbari O, DeKruyff RH, Umetsu DT. Respiratory Tolerance is Inhibited by the Administration of Corticosteroids. *J Immunol* 2005, 175: 7380-7387
8. **Stock P**, Akbari O, Berry G, Freeman GJ, Dekruyff RH, Umetsu DT. Induction of T helper type 1-like regulatory cells that express Foxp3 and protect against airway hyperreactivity. *Nat Immunol*. 2004; 5(11):1149-56.
9. **Stock P**, Kallinich T, Akbari O, Quarcoo D, Gerhold K, Wahn U, Umetsu DT, Hamelmann E: CD8+ T Cells Regulate Immune Responses. *Eur J Immunol* 2004; 34
10. Akbari O, **Stock P**, Meyer E, Kronenberg M, Sidobre S, Nakayama T, Taniguchi M, Grusby MJ, DeKruyff RH, Umetsu DT. Essential Role of NKT Cells Producing IL-4 and IL-13 in the Development of Allergen-Induced Airway Hyperreactivity. *Nature Medicine* 2003; 9(5)