

## **Pediatric Surgery: Clinical research**

### **Research topics:**

Tumors and Developmental Disorders of the Neural Chrest

### **Group leader (s):**

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### Education:

1982	Abitur, Kreuzschule Dresden, Germany
1991	Dr. med., University of Dresden Medical school, Germany
1993	Medical Degree (Approbation als Arzt)
2000	Board certified specialist for Pediatric Surgery (Facharzt für Kinderchirurgie)
2003	Habilitation, University of Heidelberg
2004	Venia legendi in Pediatric Surgery (Privatdozent), University of Dresden Medical School
2009	Professor for Pediatric Surgery

### Training:

1991-1994	Resident, Department of Pediatric Surgery, University of Dresden
1994-1995	Resident, Department of Surgery, University of Dresden
1996-1998	Research Fellowship, Department of Surgical Research, University of Dresden
1998-2000	Consultant, Department of Pediatric Surgery, University of Dresden
2001-2003	Senior Attending (Oberarzt), Department of Pediatric Surgery, University of Dresden
2004	Vice-Chairman (Leitender Oberarzt), Department of Pediatric Surgery, University of Dresden

### Clinical Experience:

Experience in Pediatric surgery (abdominal surgery, surgery of the thorax and thyroid gland, plastic surgery, trauma surgery, oncological surgery)

### Professional Appointments:

2009	Professor of Pediatric Surgery, Department of Pediatric Surgery, Universitätsklinikum Carl Gustav Carus, Technische Universität Dresden
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Funding:	Extrabudgetary funding by DFG
Award:	Fritz Linder Award Ilse Krause Award
Journals:	Editorial Consultant of the European Journal of Pediatric Surgery

### **Group members:**

Lab Manager: Ivonne Kemnitz, MTA

### **Internal collaborators with academic status:**

Hans Konrad Schackert, Department of Surgical Research

Manfred Gahr, Meinolf Suttorp; Department of Pediatrics  
Gustavo Baretton, Institute of Pathology  
Hans-Detlev Saeger, Christian Pilarsky, Robert Grützmann, Department of Surgery  
Jörg Kotzerke, Department of Nuclear Medicine

**External collaborators with affiliation:**

Peter Vorwerk; Department of Pediatric, University of Magdeburg  
Dietrich von Schweinitz, Robert Kappler, Deptment of Pediatric Surgery, Ludwig Maximilians University, München  
Marianne Schläfke; Department of Applied Phyiology, University of Bochum  
Matthias Schreiber; Department of Pediatric Surgery, University of Erlangen

**Participation in collaborative research projects (local, national, international):**

National: German GPOH-MET97 Trial for Endocrine Tumors in Children

**List of ten most important publications 2004–2009:**

1. Fitze, G.; Schreiber, M.; Hohenberger, W.; Hümmer, H.P.; Roesner, D.; Schackert, H.K. Genotypes of c135G/A RET proto-oncogene polymorphism modify MEN2A or HSCR phenotype associated with RET proto-oncogene codon 609 germline mutations. *Am J Med Genet* 129A (2004) 323-325
2. Fitze, G. Management of patients with hereditary medullary thyroid carcinoma. *Eur J Pediatr Surg* 14 (2004) 1375-383
3. Görgens, H.; Fitze, G.; Roesner, D.; Schackert, H.K. One-step analysis of ten functional haplotype combinations of the basic RET promoter with a LightCycler assay. *Clin Chem* 50 (2004) 1693-1695
4. Vogelberg, C.; Mohr, B.; Fitze, G.; Friedrich, K.; Hahn, G.; Roesner, D.; Leupold, W.; Suttorp, M. Mucoepidermoid carcinoma as an unusual cause for recurrent respiratory infections in a child. *J Pediatr Hematol Oncol* 27 (2005) 162-165
5. Kohler, S.; Fitze, G.; Hosie, S.; Wessel, L.; Holland-Cunz, S. The combination of Hirschsprung's disease and achalasia. *J Pediatr Surg* 40 (2005) E28-30
6. Wie, J.; Wahl, J.; Knauss, H.; Zeller, S.; Jarmy, G.; Fitze, G.; Debatin, K.M.; Beltinger, C. Cytosine deaminase/5-fluorocytosine gene therapy and Apo2L/TRAIL cooperate to kill TRAIL-resistant tumor cells. *Cancer Gene Ther* (2007) Jul;14(7):640-51. Epub 2007 Apr 20.
7. Serra, A.; Schackert, H.K.; Mohr, B.; Weise, A.; Liehr, T.; Fitze, G. t(11;19)(q21;p12~p13.11) and MECT1-MAML2 fusion transcript expression as a prognostic marker in infantile lung mucoepidermoid carcinoma. *J Pediatr Surg* 2007 Jul;42(7):E23
8. Unruh, A.; Fitze, G.; Jänig, U.; Bielack, S.; Lochbühler, H.; Coerdts, W. Medullary thyroid carcinoma in a 2-month-old male with multiple endocrine neoplasia 2B and symptoms of pseudo-Hirschsprung disease: a case report. *J Pediatr Surg* 2007 Sep;42(9):1623-6.
9. Fitze, G.; König, I.R.; Paditz, E.; Serra, A.; Schläfke, M.; Roesner, D.; Ziegler, A.; Schackert, H.K. Compound effect of PHOX2B and RET gene variants in Congenital Central Hypoventilation Syndrome combined with HSCR. *Am J Med Genet A*. 2008 Apr 25.
10. Serra, A; Häberle, B.; Kappler, R.; König, I.R.; Schackert H.K.; Roesner, D.; Fitze, G. Rare occurrence of PHOX2b mutations in sporadic neuroblastomas. *J Pediatr Haematol Oncol* 2008 Oct;30(10):728-32