



## Education

### College/University:

1995-2002 Humboldt University Berlin, Medical Faculty  
Charité, Germany

### Highest degree:

MD (Dr.med.)

### Major Subjects:

Molecular- and Cell Biology, Differentiation

### First name:

**Murat**

### Last name:

**Ünalan**

### Date of birth:

31.10.1975

### Country:

Germany

### E-mail:

murat.uenalan@gmx.de

### Supervisor:

Prof. Welte, Pediatric  
Hematology & Oncology  
(formerly Prof. Brabant,  
Endocrinology)

### Projects/Research:

Convergence of Wnt- and BMP Morphogen Signaling; Current Studies Focus on fluent and blocked Vertebrate Cell Differentiation Cascades; Exemplary studied in two Model systems: in the endodermal derived Endocrine Gland, Thyroid, and in Haematopoiesis.

### Scientific Interests and Goals:

Understanding the molecular basis of multicellularity including differentiation and proliferation. My goal is to use a dual approach of standard laboratory techniques guided by theoretical models to identify key mechanisms in the regulatory complexity of Morphogens.

### Hobbies and other interests:

Fine art, Cooking/Sushi, Programming C++ and Perl., Mollusc Shell Patterns, History of Physics and Biological Sciences.

### Publications:

Slominski A, Bortchkareva NV, Botchkarev VA, Chakroborty A, Luger T, **Uenalan M**, Paus R *Biochim Biophys Acta* 1998 19; 1448(1): 157-52

Slominski A, Bortchkareva NV, Botchkarev VA, Chakroborty A, Luger T, **Uenalan M**, Paus R *Ann N Y Acad Sci* 1999 20;885:448-450

Ohnemus U, **Uenalan M**, Handjiski B, Paus R *J Invest Dermatol* 2003 122(1): 7-13

Ohnemus U, **Uenalan M**, Conrad F, Handjiski B, Mecklenburg L, Nakamura M, Inzunza J, Gustafsson JA, Paus R *Endocrinology* 2005;146(3):1214-25.

Skokowa J, Cario G, **Uenalan M**, Schambach A, Germeshausen M, Battmer K, Zeidler C, Lehmann U, Eder M, Baum C, Grosschedl R, Stanulla M, Scherr M, Welte K. *Nat Med.* 2006;12(10):1191-7