



Prof. Dr. med. Dr. h.c. Jürgen Hescheler

CURRICULUM VITAE

Born: May 2, 1959

Parents: Dr. med. Karl Hescheler, Medical Doctor for Internal Medicine and Radiology

Gisela Hescheler, née. Kuntz, Pharmacist

Place of birth: Saarbrücken, Fed. Rep. Germany

Citizenship: German

Marital status: since 1984 married

1989 birth of son Daniel

Education

1966 - 1978: Primary and secondary education in St. Ingbert and Homburg/Saar

1978 - 1984: Study of medicine, Universität des Saarlandes, Homburg/Saar

1984: Licence to practice medicine

1979 - 1984: Work on doctoral thesis at the Universität des Saarlandes, II. Physiologisches Institut, Director: Prof. Dr. W. Trautwein

March 1985: Dr. med., Universität des Saarlandes, Faculty of Medicine, "Über den Wirkort und –mechanismus der organischen Ca²⁺-Kanal-blocker vom Verapamiltyp" (awarded with *summa cum laude*)

December 1988: Habilitation (*venia legendi*) for Physiology, Universität des Saarlandes, Faculty of Medicine, "Hormonelle Regulation des transmembranären Ca²⁺ Stromes durch Phosphorylierung und Transducerproteine"

Positions and Appointments

- 1984 - 1988: Research assistant at the II. Physiologisches Institut, Universität des Saarlandes, Homburg/Saar
Studies on hormonal regulation of Ca²⁺ currents in cardiac myocytes.
Supported by multiple grants of the Deutsche Forschungsgemeinschaft (SFB 38 and 246)
- Jan. 1989 – Sep.1994: Research assistant at the Institut für Pharmakologie, Freie Universität Berlin, Direktor: Prof. Dr. G. Schultz
Studies on molecular mechanisms of cellular signalling

Collaborative research project with Prof. Dr. Mark Nelson (University of Vermont, USA) on the regulation of ionic channels in vascular smooth muscle cells
- May 1990: "Akademischer Oberrat" (permanent university position as state officer)
- September 1992: Visiting Associate Professor of the University of Vermont (USA)
- June 1993 Offer of a chairman position (C4) for Physiology at the Martin-Luther-Universität Halle, at the Eberhard-Karls-Universität Tübingen as well as at the Universität zu Köln
- October 1994 Appointment as Chairman and Director of the Institute of Neurophysiology at the Universität zu Köln
- November 1996 Honorary appointment as confidant of the Studienstiftung des Deutschen Volkes, since October 2000 President of all confidants at the University of Cologne
- Juli 1998 Appointment as Visiting Professor of the Tongji Medical University in Wuhan (China), since Mai 2001 Honorary Professor
- October 2000 Founding member of the biotechnology spin-off company Axiogenesis, 4 years member of the supervisory board
- April 2001 Appointment as Visiting Professor of the University of Texas, Houston (USA)
- September 2003 Appointment as Guest Professor of the University of Xian (China)
- March 2004 Appointment as coordinator of the European consortium FunGenES ("Functional Genomics of Engineered Embryonic Stem Cells") supported by the 6th framework Program
- October 2004 Appointment as founding president of the German Society for Stem Cell Research
- March 2007 Appointment as coordinator of the European consortium CRYSTAL ("CRYo-banking of Stem cells for human Therapeutic AppLication") supported by the 6th framework Program

- April 2008 Appointment as coordinator of the European consortium ESNATS ("Embryonic Stem cell-based Novel Alternative Testing Strategies") supported by the 7th framework Program
- January 2011 Appointment as coordinator of the European consortium DETECTIVE ("Detection of endpoints and biomarkers of repeated dose toxicity using in vitro systems) supported by the 7th framework Program

Awards

- 1975: "Jugend forscht" physics: "Bau eines Analogrechners zur Lösung von gemischt-quadratischen Gleichungen (2nd Prize/Saarland)
- 1977: "Jugend forscht" physics: "Simulationsmodell der Raumorientierung von Insekten" (1st Prize/Saarland, 3rd Prize, F.R.G.)
- 1978: Philips European competition technology/kybernetics: "Fahrzeugsteuerung mit selbständiger Zielsetzung" (2nd Prize, F.R.G.)
"Jugend forscht" mathematics: "Irreduzibilitätsuntersuchungen von Polynomen über dem Primzahlkörper Z_p " (1st Prize/Saarland, 1st Prize, F.R.G.)
- 1979: "Jugend forscht" physics: "Untersuchungen an Seifenblasen" (1st Prize/Saarland, 3rd Prize, F.R.G.)
Special prize of the industry: 2 months research stay at the Weizmann Institute, Rehovot/Israel"
- 1981: Philips European competition mathematics: "Untersuchungen über lateinische n-dimensionale Würfel" (2nd Prize, F.R.G.)
- 1983: Claude-Bernard prize for doctoral thesis
- 1991: Copp-Prize of the German Society for Osteology
- 1992: Hildegard Doerenkamp Gerhard Zbinden Foundation Award
- 1992: Award of the Bundesminister für Jugend, Familie, Frauen und Gesundheit
- 1999: Dorothy Hegarty Award 1999 (ATLA)
- 2009: Honorary Doktor (Dr. h.c.) of the Tongji Medical Faculty of the Huazhong University in Wuhan (China)

Scholarships

- 1979 - 1984: Scholarship of the Studienstiftung des Deutschen Volkes

Society Memberships

Stiftung Jugend forscht
 Studienstiftung des Deutschen Volkes
 Gesellschaft Deutscher Naturforscher und Ärzte
 Deutsche Physiologische Gesellschaft
 Biophysical Society
 Neurowissenschaftliche Gesellschaft e.V.

Professional Services and Journal Review:

Review for:

Plüger's Archiv - European Journal of Physiology
 Naunyn-Schmiedeberg's Archives of Pharmacology
 Experimental Brain Research
 Neuroscience Letters
 Journal of Physiology (Lond)
 The European Journal of Neuroscience
 Nature
 Science
 Cell
 American Journal of Physiology
 Cardiovascular Research
 Circulation Research
 European Journal of Biochemistry
 FEBS-Letters
 EMBO Journal
 PNAS
 Br. J. Pharmacol
 Exp. Cell Res.
 The European Journal of Neuroscience
 Stem Cells

1991: Organizing Committee of the Advanced Research Workshop "Intracellular Modulators of Cardiac and Neuronal Channels", Il Ciocco, Italy

1992: Organizer of the International Symposium "Nonselective Cation Channels - Pharmacology, Physiology & Biophysics", Regensburg, FRG

1993: Organizing Committee of the XXXII IUPS Congress, Glasgow, UK

1999: Organizing Committee of the NATO workshop set for April 26-30, 2000

Membership in editorial board and reviewing boards:

Since 1997: Co-Editor of "The Journal of Cellular Physiology and Biochemistry"

Since 2004: Co-Editor of "Stem Cell Reviews"

Since 2003: Reviewing Board of the "BayGene" Program

Since 2004: Reviewing board of Singapore Program A*Star

Publications:

Peer-reviewed publications: 348

H-index: 57