

PERSONAL INFORMATION

Karl-Heinz Huemer

WORK EXPERIENCE

1985–2004 **university assistant / assistant professor**

University of Vienna Medical School (Austria)

research in retinal physiology and occupational medicine

university teaching mainly neuroscience & physiology

2004–2007 **medical doctor**

university of Vienna Medical School (Austria)

research in retinal circuitry and ocular blood flow regulation

teaching mainly neuroscience & physiology incl planning and developing new curricula and staff development

September 2007–Present **clinical assessor**

Austrian Medicines & Medical Devices Agency / Scientific Office (Austria)

participating in many assessments of scientific advice procedures, paediatric investigation plans and centralized marketing procedures in different clinical areas

alternate member in CHMP Scientific Advice Working Party 2010-2014

SAWP full member since 2014

alternate member of Paediatric Committee (PDCO) from 2008-2013

PDCO full member since 2013

EDUCATION AND TRAINING

1979–1989 **PhD**

University of Vienna (Austria)

Zoology / Anthropology

specialized courses in parasitology, molecular biology and medical genetics among others,

main focus on neuroscience

thesis on retinal electrophysiology

research sojourns at NIH Bethesda, ML, UCSF Medical School San Francisco, CA and Mount Sinai Medical Center New York, NY (all USA) and Keij University Tokyo, Japan

1980–1995 **MD**

University of Vienna Medical School (Austria)

1995–2002 **Facharzt (medical specialty) physiology**

University of Vienna Medical School (Austria)

included internships in physiology (4 years), clinical pharmacology (1,5 years) and ophthalmology (6 months),

continuing research projects in retinal physiology and ocular blood flow regulation

ADDITIONAL INFORMATION

Expertise neuroscience

ophthalmology
paediatric drug development
physiology
clinical research
clinical pharmacology

Publications

Typical investigational medicinal products follow relatively uniform regulations in 10 European Clinical Research Infrastructures Network (ECRIN) countries. Gluud C, Kubiak C, Whitfield K, Byrne J, Huemer KH, Thirstrup S, Libersa C, Barraud B, Grählert X, Dreier G, Geismann S, Kuchinke W, Temesvari Z, Blasko G, Kardos G, O'Brien T, Cooney M, Gaynor S, Schieppati A, de Andres F, Sanz N, Kreis G, Asker-Hagelberg C, Johansson H, Bourne S, Asghar A, Husson JM, Demotes-Mainard J. *Trials*. 2012 Mar 27;13:27.

Compassionate use of interventions: results of a European Clinical Research Infrastructures Network (ECRIN) survey of ten European countries. Whitfield K, Huemer KH, Winter D, Thirstrup S, Libersa C, Barraud B, Kubiak C, Stankovski L, Grählert X, Dreier G, Geismann S, Kuchinke W, Strenge-Hesse A, Temesvari Z, Blasko G, Kardos G, O'Brien T, Cooney M, Gaynor S, Schieppati A, Serrano M, de Andres F, Sanz N, Hernández R, Kreis G, Asker-Hagelberg C, Johansson H, Asghar A, Husson JM, Demotes J, Gluud C. *Trials*. 2010 Nov 12;11:104.

Common definition for categories of clinical research: a prerequisite for a survey on regulatory requirements by the European Clinical Research Infrastructures Network (ECRIN). Kubiak C, de Andres-Trelles F, Kuchinke W, Huemer KH, Thirstrup S, Whitfield K, Libersa C, Barraud B, Grählert X, Dreier G, Grychtol R, Temesvari Z, Blasko G, Kardos G, O'Brien T, Cooney M, Gaynor S, Schieppati A, Sanz N, Hernandez R, Asker-Hagelberg C, Johansson H, Bourne S, Byrne J, Asghar A, Husson JM, Gluud C, Demotes-Mainard J. *Trials*. 2009 Oct 16;10:95.

Role of nitric oxide in choroidal blood flow regulation during light/dark transitions. Huemer KH, Garhofer G, Aggermann T, Kolodjaschna J, Schmetterer L, Fuchsjäger-Mayrl G. *Invest Ophthalmol Vis Sci*. 2007 Sep;48(9):4215-9.

Effects of dopamine on retinal and choroidal blood flow parameters in humans. Huemer KH, Zawinka C, Garhöfer G, Golestani E, Litschauer B, Dorner GT, Schmetterer L. *Br J Ophthalmol*. 2007 Sep;91(9):1194-8.

Response of retinal vessel diameters to flicker stimulation in patients with early open angle glaucoma. Garhöfer G, Zawinka C, Resch H, Huemer KH, Schmetterer L, Dorner GT. *J Glaucoma*. 2004 Aug;13(4):340-4.

Diffuse luminance flicker increases blood flow in major retinal arteries and veins. Garhöfer G, Zawinka C, Resch H, Huemer KH, Dorner GT, Schmetterer L. *Vision Res*. 2004 Apr;44(8):833-8.

Flicker light-induced vasodilatation in the human retina: effect of lactate and changes in mean arterial pressure. Garhöfer G, Zawinka C, Huemer KH, Schmetterer L, Dorner GT. *Invest Ophthalmol Vis Sci*. 2003 Dec;44(12):5309-14.

Effects of adrenomedullin on ocular hemodynamic parameters in the choroid and the ophthalmic artery. Dorner GT, Garhöfer G, Huemer KH, Golestani E, Zawinka C, Schmetterer L, Wolz M. *Invest Ophthalmol Vis Sci*. 2003 Sep;44(9):3947-51.

Hyperglycemia affects flicker-induced vasodilation in the retina of healthy subjects. Dorner GT, Garhöfer G, Huemer KH, Riva CE, Wolz M, Schmetterer L. *Vision Res*. 2003 Jun;43(13):1495-500.

Effects of dopamine on human retinal vessel diameter and its modulation during flicker stimulation. Huemer KH, Garhofer G, Zawinka C, Golestani E, Litschauer B, Schmetterer L, Dorner GT. *Am J Physiol Heart Circ Physiol*. 2003 Jan;284(1):H358-63.

Influence of diffuse luminance flicker on choroidal and optic nerve head blood flow. Garhöfer G, Huemer KH, Zawinka C, Schmetterer L, Dorner GT. *Curr Eye Res*. 2002 Feb;24(2):109-13.

Cardiovascular, endocrine, and receptor measures as related to sex and menstrual cycle phase. Litschauer B, Zauchner S, Huemer KH, Kafka-Lützow A. *Psychosom Med*. 1998 Mar-Apr;60(2):219-26.

Working with new technologies: hormone excretion as an indicator for sustained arousal. A pilot study. Korunka C, Huemer KH, Litschauer B, Karetta B, Kafka-Lützow A. *Biol Psychol*. 1996 Feb 5;42(3):439-52.

Book chapters:

Huemer KH. Physiologie. in: Säugling, Kindheit und Jugend, 2.Aufl. S.34-44, Herausg.v. Horak F, Böck A, Pollak A., Facultas, Wien 2007

Wang S, Huemer KH. Paediatric Pharmaceutical Legislation and Its Impact on Adult and Paediatric Drug Development: The EU Regulatory View. in: Pediatric Formulations, AAPS Advances in the Pharmaceutical Sciences Series 11, ed.by Bar-Shalom D, Rose K., aapspress/Springer, New York 2014

Projects

Memberships

Other Relevant Information