

SCIENTIST IN RESIDENCE

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Stem cells, cancer and metabolism

Professor Sean Morrison

Children's Medical Center Research Institute
UT Southwestern, Dallas

Scientist in Residence 2018/19

Scientist in Residence

The Scientist in Residence is a guest professorship annually awarded by the University of Duisburg-Essen and funded by Sparkasse Essen. It enables the University to invite leading international experts for an intensive dialogue with senior as well as junior researchers. Interested members of the public are invited to a lecture, in which the Scientist in Residence gives fascinating insights into his field of research.

The Scientist in Residence for the winter term of 2018/19 has been nominated by the Rectorate and the University Hospital Essen. The position will be held by Sean J. Morrison. He is a Professor of Pediatrics at UT Southwestern, Dallas, known for his significant discoveries in stem cell biology and cancer.

The cancer stem cell concept has significantly broadened our understanding of tumor biology. This concept should be regarded as an integral part of a holistic cancer model that also includes the genetic evolution of tumor cells and the variability of cell phenotypes within a dynamic tumor environment. Not only the phenotypic heterogeneity and plasticity of the tumor cells but also the dynamic interaction within the microenvironment composed of different cell types and its interaction with tumor cells has profound consequences on the biological behavior of the tumor disease as well as its responsiveness to treatment. Finally, this is of particular importance in regard to overcoming treatment resistance by a better understanding of the underlying biology.

Professor Sean Morrison

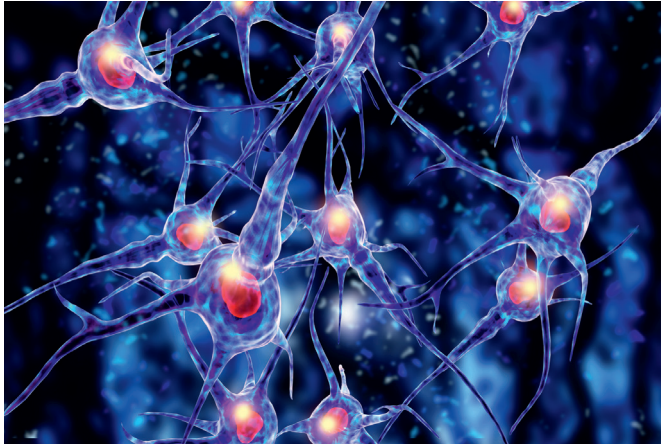


Sean J. Morrison is the director of the Children's Medical Center Research Institute (CRI) at UT Southwestern, the Mary McDermott Cook Chair in Pediatric Genetics, the Kathyne and Gene Bishop Distinguished Chair in Pediatric Research, and a Howard Hughes Medical Institute investigator.

Dr. Morrison obtained his B.Sc. in biology and chemistry from Dalhousie University (1991), then completed a Ph.D. in immunology at Stanford University (1996), and a postdoctoral fellowship in neurobiology at Caltech (1999). From 1999 to 2011, Dr. Morrison was a Professor at the University of Michigan where he directed their Center for Stem Cell Biology.

Dr. Morrison was a Searle Scholar (2000-2003), was named to Technology Review Magazine's list of 100 young innovators (2002), received the Presidential Early Career Award for Scientists and Engineers (2003), the International Society for Hematology and Stem Cell's McCulloch and Till Award (2007), the American Association of Anatomists Harland Mossman Award (2008), and a MERIT Award from the National Institute on Aging. Dr. Morrison has also been active in public policy issues surrounding stem cells. He has twice testified before Congress and was a leader in the successful "Proposal 2" campaign to protect stem cell research in Michigan's state constitution.

Program



PUBLIC LECTURE

January 29, 2019, 18:00

Stem cells, cancer and metabolism

Professor Sean Morrison

Children's Medical Center Research Institute

UT Southwestern, Dallas

Reception, 19:30

Glaspavillon, Universitätsstraße 12, 45141 Essen

For registration and further information please see:

www.uni-due.de/de/scientist

SYMPOSIUM

January 28, 2019

DKTK-WTZ – Symposium “Plasticity & Cancer”

(by invitation only)

Please contact Prof. A. Rösch for program details

(alexander.roesch@uk-essen.de)

Registration and Contact

Registration

Please register online:

www.udue.de/scientist

Participation is free of charge.

Contact

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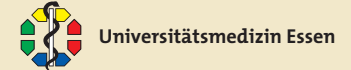
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Location

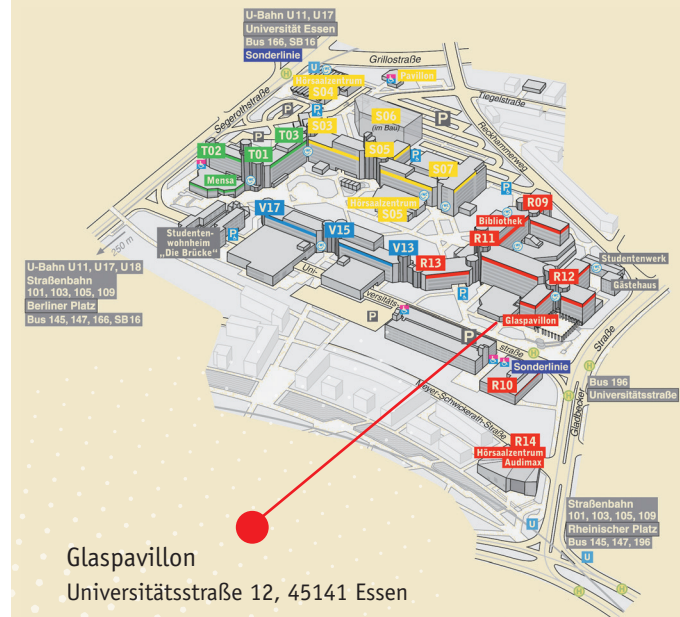
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