

Friday, November 15, 2013 – 16:15 h

Venue: Raum H030, Fakultät für Physik, Schellingstraße 4,
80799 München

Leica Scientific Forum **Munich** & CeNS Colloquium

Advances in Life Science

Stephen Quake

Lee Otterson Professor, Applied Physics and Bioengineering
Stanford University and Howard Hughes Medical Institute

“Single Cell Genomics”

16:15 **Welcome Coffee**

16:30 **Introduction by Prof. Hermann Gaub**

Keynote lecture

In his talk, Stephen Quake will present his research on single-cell genomic analysis by the use of microfluidic tools for:

- Gene expression analysis and genome sequencing from single cells
- “Reverse tissue engineering” by dissecting complex tissues into their component cell populations
- Analysis of rare cells such as circulating tumor cells or minor population within a tissue
- Single-cell genomic sequencing

17:30 **Discussion & Post Lecture Reception – Meet the Speaker**

Scientific Advisory Board: Berlin: Prof. Michael Brecht (HUB), Prof. Stephan Sigrist (FUB) / Heidelberg: Prof. Winfried Denk (MPI), Prof. Roland Eils (DKFZ), Prof. Stefan Hell (DKFZ and MPI Göttingen), Dr. Rainer Pepperkok (EMBL) / Munich: Prof. Ulrike Gaul (LMU), Prof. Hermann Gaub (LMU), Prof. Arthur Konnerth (TUM) / Dr. Thomas Zapf (Leica Microsystems)

The lecture is free – please kindly register: lsf@leica-microsystems.com

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