



Peter
Lichter
(*1957)

Head of
division,
Molecular
Genetics,
DKFZ

Current Position

Head of Division Molecular Genetics at the DKFZ

Research Topics

- Pathomechanisms of tumor development
- Tumormarkers
- Molecular profiling of tumor cells
- Genome organization and gene function

Degree

Graduation (Biology) and PhD degree (summa cum laude), University of Heidelberg, Germany 1983-1986
Postdoctoral Scientist in the laboratory of Prof. D.C. Ward, Dept. of Genetics, School of Medicine, Yale University, New Haven, USA 1986-1990
Habilitation and venia legendi in Molecular Human Genetics, Faculty of Medicine, University of Heidelberg 1995

Previous appointments

Head of project group "Organization of complex genomes", DKFZ, Heidelberg 1990-1992
Head of division "Organization of complex genomes" (now "Molecular Genetics"), DKFZ, Heidelberg since 1992
Full Professor at the Faculty of Medicine, University of Heidelberg since 2000
Interim Director of the Management Board of the DKFZ 2003

Selected Publications

- Döhner H,..., **Lichter P** (2000) Genomic aberrations predict survival of patients with B-cell chronic lymphocytic leukemia. **New Engl. J. Med.** 343, 1910-1916
- Barbus S, Tews B,..., **Lichter P** (2011) Differential retinoic acid signaling in tumors of long- and short-term glioblastoma survivors. **J. Natl. Cancer Inst.** 103, 598-606
- Gronych J,..., **Lichter P** (2011) An activated mutant BRAF kinase domain is sufficient to induce pilocytic astrocytoma in mice. **J. Clin. Invest.** 121, 1344-1348
- Rausch T, Jones DTW, Zapatka M, Stütz AM,..., **Lichter P***, **Pfister SM***, **Korbel JO*** (2012) Genome sequencing of pediatric medulloblastoma links catastrophic DNA rearrangements with *TP53* mutations. **Cell** 148, 59-71 * **shared senior authorship**
- Jones DTW, Jäger N,..., **Lichter P.** (2012) Dissecting the genomic complexity underlying medulloblastoma. **Nature** (in press, DOI: 10.1038/nature11284)

Activities in the scientific community

- Member of Hinterzartener Kreis (DFG) 2004-2010

- Member of the Scientific Programm Committee of the European Society of Human Genetics 2004-2008
- Member of Wissenschaftsrat 2005-2011
- Member of Leopoldina since 2006
- Member of EMBO since 2008

Honors and awards

- "Karl-Freudenberg" Award of the Academy of Sciences, Heidelberg (1991)
- Award of the (German) Society for Human Genetics (1992)
- "Walther und Christine Richtzenhain" Award (1993)
- Deutscher Krebspreis (German Cancer Award, 2002)
- Award of Deutsche Krebshilfe (2003)
- Award of the European Society of Human Genetics (2012)