

Curriculum Vitae

Name:

Saskia M. Brachmann

Date of Birth:

April 16, 1975 (born in Saarbruecken, Germany)

Citizenship:

German

Work Address:

Beth Israel Deaconess Medical Center
Harvard Institutes of Medicine
Division of Signal Transduction, 10th Floor
330 Brookline Ave.
Boston, MA 02215

Education:

1981-1985 Elementary School, Scheuern, Germany

1985-1994 Johannes Kepler Gymnasium, Lebach, Germany, degree: Abitur (1,7)

1994-1999 Master of Science (specialized in Biochemistry, degree: diploma (sehr gut), Division of Chemistry, Biology and Pharmacology, Free University of Berlin, Germany.

1999- 2000 Honor's thesis, „Comparison of normal and PI3K p85alpha deficient fibroblasts and restoration of function by transfection of p85alpha – constructs“, Beth Israel Deaconess Medical Center, Division of Signal Transduction, Harvard Medical School, Department of Cell Biology, Boston, USA, Supervisor Lewis Cantley

2000- present Ph.D., „PI3K isoform specific functions in development, glucose homeostasis and cell migration“, Beth Israel Deaconess Medical Center, Division of Signal Transduction, Harvard Medical School, Department of Cell Biology, Boston, USA, Supervisor Lewis Cantley

Opportunities Abroad:

1997 (3 months) Rotation, Beth Israel Deaconess Medical Center, Division of Signal Transduction, Harvard Medical School, Department of Cell Biology, Boston, USA, Supervisor Lewis Cantley.

1998 (6 weeks) Rotation, Departamento de Fisiologia, Biologia, Molecular y Celular, FCEN- UBA, Buenos Aires, Argentina. Supervisor Omar Coso.

1999 (1 year) Honor's thesis, Beth Israel Deaconess Medical Center, Division of Signal Transduction, Harvard Medical School, Department of Cell Biology, Boston, USA, Supervisor Lewis Cantley.

2000 - present PhD thesis, Beth Israel Deaconess Medical Center, Division of Signal Transduction, Harvard Institutes of Medicine, Boston, USA, Supervisor Lewis Cantley.

Awards:

DAAD (Short-Term Fellowship): 1998

Boehringer Ingelheim Fonds (Ph.D. Fellowship): 2000-2002

Harvard student stipend: 2002-present

Professional Affiliations:

1998-present Society for Biochemistry and Molecular Biology (GBM)

2002-present American Society of Cell Biology

Publications:

Manuscript in preparation:

Saskia M. Brachmann, Kohjiro Ueki, Robert Nussbaum, Ronald C. Kahn and Lewis C. Cantley

Deletion of the PI3K regulatory or catalytic subunit have opposite effects on insulin signaling.

Saskia M. Brachmann, Claudine M. Yballe, Sheila M. Thomas, David A. Fruman, Jonathan Deane, Rod T. Bronson, Di Fiore, Giorgio Scita and Lewis C. Cantley

The *in vivo* role of class Ia PI3K in development and cell migration.

published Manuscripts:

Vieira OV, Botelho RJ, Rameh L, Brachmann SM, Matsuo T, Davidson HW, Schreiber A, Backer JM, Cantley LC, Grinstein S.

Distinct roles of class I and class III phosphatidylinositol 3-kinases in phagosome formation and maturation.

J Cell Biol. 2001 Oct 1;155(1):19-25.

Ueki K, Fruman DA, Brachmann SM, Tseng YH, Cantley LC, Kahn CR.

Molecular balance between the regulatory and catalytic subunits of phosphoinositide 3-kinase regulates cell signaling and survival.

Mol Cell Biol. 2002 Feb;22(3):965-77.

Ueki K, Yballe CM, Brachmann SM, Vicent D, Watt JM, Kahn CR, Cantley LC.
Increased insulin sensitivity in mice lacking p85beta subunit of phosphoinositide 3-kinase.

Proc Natl Acad Sci U S A. 2002 Jan 8;99(1):419-24.

Eskelinen EL, Prescott AR, Cooper J, Brachmann SM, Wang L, Tang X, Backer JM, Lucocq JM.

Inhibition of autophagy in mitotic animal cells.

Traffic. 2002 Dec;3(12):878-93.

Innocenti M, Frittoli E, Ponzanelli I, Falck JR, Brachmann SM, Di Fiore PP, Scita G.

Phosphoinositide 3-kinase activates Rac by entering in a complex with Eps8, Abi1, and Sos-1.

J Cell Biol. 2003 Jan 6;160(1):17-23.

Maeda N, Inoshima Y, Fruman DA, Brachmann SM, Fan H.

Transformation of mouse fibroblasts by Jaagsiekte sheep retrovirus envelope does not require phosphatidylinositol 3-kinase.

J Virol. 2003 Sep;77(18):9951-9.

Woolsey AM, Sunwoo L, Peterson CA, Brachmann SM, Cantley LC, Burleigh BA.

Novel PI 3-kinase-dependent mechanisms of trypanosome invasion and vacuole maturation.

J Cell Sci. 2003 Sep 1;116:3611-22.

Lekmine F, Uddin S, Sassano A, Parmar S, Brachmann SM, Majchrzak B, Sonenberg N, Hay N, Fish EN, Plataniotis LC.

Activation of the p70 S6 kinase and phosphorylation of the 4E-BP1 repressor of mRNA translation by type I interferons.

JBC. 2003, Jul 25;278(30):27772-80.

Speaking Engagements:

Dezember 2003 „Isoform specific Functions of PI3K in Development and Cell Migration.“ Pizza Talk Series, Department of Cell Biology, Harvard Medical School, Boston, USA.

January 2003 „Lessons from PI3K knockout models.“ Institut fuer Physiologische Chemie II, Klinikum der Heinrich Heine-Universitaet, Duesseldorf, Germany.

January 2002 „Isoform specific Functions of PI3K in Development and Cell Migration.“ Joint PI3K Signaling Group attended by group of Dr. Cantley, Dr. Sellers, Dr. Roberts, Dr. Ravkun, Dr. Vidal and Dr. Silver, Dana Farber Cancer Institute, Boston, USA.

Dezember 2001 „Isoform specific Functions of PI3K in Development and Cell Migration.“ Pizza Talk Series, Department of Cell Biology, Harvard Medical School, Boston, USA.

1999 – present 5 research reports, Joint Signal Transduction Meeting attended by group of Dr. Cantley, Dr. Neel, Dr. Brugge, Dr. Blenis, Dr. Toker, Dr. Kazlauskas, Dr. Lu and Dr. Thomas, Harvard Medical School, Boston, USA.

Conferences:

Brachmann SM et al (2001), 84th International Titisee conference (The actin cytoskeleton: from signaling to bacterial pathogenesis), Titisee-Neustadt, Germany.

Brachmann SM. et al (2002), 42nd Annual Meeting of the ASCB, San Francisco, USA.