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SCIENTIFIC VITA:

1988 Graduation in Physics, University of Heidelberg
1991 Ph.D. in Physics, University of Heidelberg
1992 Graduation (Medicine) and M.D. degree, University of Heidelberg
1991-1996 Specialization in Radiation Oncology, Dep. Clinical Radiology, University Heidelberg
1995 Clinical Fellowship at the Harvard University, Boston USA,
Massachusetts General Hospital, Department of Radiation Oncology
1996 Board certification in Radiation Oncology
1997 Habilitation (Radiology) at the University of Heidelberg
1997-2003 Chair of Clinical Cooperation Unit Radiotherapeutic Oncology
German Cancer Research center (DKFZ)
since 1997 Chair of the German Heavy Ion Radiotherapy Project
2001-2003 Chairman of the Scientific Council (Wissenschaftlicher Rat) of the DKFZ
since 2003 Chair of Radiation Oncology at the University of Heidelberg

AWARDS:

Philipps Award (1992), Varian Award (1993); Award of the German Society of Ultrasound in Medicine (DEGUM), (1993), Young Investigator Award of the American Association of Medical Physicists (AAPM) (1995), Hermann Holthusen Award (1998), Erwin Schrödinger Award (1999), Nomination for the Future Award of the President of Germany (2000), First Innovation Award of the medical science association (AWMF, VUD) (2005)

FIELDS OF INTEREST:

Precision Radiotherapy, Ion beam radiotherapy, radiation biology, radiation oncology.

SELECTED PUBLICATIONS (SINCE 2000)

Abdollahi A, Griggs DW, Zieher H, Roth A, Lipson KE, Saffrich R, Grone HJ, Hallahan DE, Reisfeld RA, Debus J, Niethammer AG, Huber PE (2005). Inhibition of alpha(v)beta3 integrin survival signaling enhances antiangiogenic and antitumor effects of radiotherapy. **Clin Cancer Res** 11, 6270-6279

Schulz-Ertner D, Nikoghosyan A, Didinger B, Munter M, Jakel O, Karger CP, Debus J (2005). Therapy strategies for locally advanced adenoid cystic carcinomas using modern radiation therapy techniques. **Cancer** 104, 338-344

Huber PE, Bischof M, Jenne J, Heiland S, Peschke P, Saffrich R, Grone HJ, Debus J, Lipson KE, Abdollahi A (2005). Trimodal cancer treatment: beneficial effects of combined antiangiogenesis, radiation, and chemotherapy. **Cancer Res** 65, 3643-3655

Niethammer AG, Wodrich H, Loeffler M, Lode HN, Emmerich K, Abdollahi A, Krempien R, Debus J, Huber PE, Reisfeld RA (2005). Multidrug resistance-1 (MDR-1): a new target for T cell-based immunotherapy. **FASEB J** 19, 158-159

Abdollahi A, Hahnfeldt P, Maercker C, Grone HJ, Debus J, Ansorge W, Folkman J, Hlatky L, Huber PE (2004). Endostatin's antiangiogenic signaling network. **Mol Cell** 13, 649-663

Schulz-Ertner D, Nikoghosyan A, Thilman C, Haberer T, Jakel O, Karger C, Kraft G, Wannemacher M, Debus J (2004). Results of carbon ion radiotherapy in 152 patients. **Int J Radiat Oncol Biol Phys** 58, 631-640

Debus J, Scholz M, Haberer T, Peschke P, Jakel O, Karger CP, Wannemacher M (2003). Radiation tolerance of the rat spinal cord after single and split doses of photons and carbon ions. **Radiat Res** 160, 536-542

Braun K, Peschke P, Pipkorn R, Lampel S, Wachsmuth M, Waldeck W, Friedrich E, Debus J (2002). A biological transporter for the delivery of peptide nucleic acids (PNAs) to the nuclear compartment of living cells. **J Mol Biol** 318, 237-243

Huber PE, Jenne JW, Rastert R, Simionakis I, Sinn HP, Strittmatter HJ, von Fournier D, Wannemacher MF, Debus J (2001). A new noninvasive approach in breast cancer therapy using magnetic resonance imaging-guided focused ultrasound surgery. **Cancer Res** 61, 8441-8447

Debus J, Wuendrich M, Pirzkall A, Hoess A, Schlegel W, Zuna I, Engenhardt-Cabillic R, Wannemacher M (2001). High efficacy of fractionated stereotactic radiotherapy of large base-of-skull meningiomas: long-term results. **J Clin Oncol** 19, 3547-3553