

CURRICULUM VITAE

Raghavendra Palankar

Address:

Research 2, Room 94,
School of Engineering and Science,
Jacobs University Bremen gGmbH,
Campus Ring 1, D28759,
Bremen, Germany
tel: +49-421-200-3583
fax: +49-421-200-3249
e-mail: r.palankar@jacobs-university.de

Education:

Ph.D.(expected graduation May 2009)
M.Sc. (Plant Sciences specialization Biotechnology and Plant Cell Culture) 2000
Dept. of Botany, Karnatak University, Dharwar, India.
B.Sc. (Chemistry, Zoology, Botany) 1998
Govt. Arts and Science College, Karwar, Karnataka, India.

Professional Experience:

Lecturer (Part-time) and Lab. Instructor at the Dept of Biotechnology, Govt. Arts and Science College, Karwar, India. August 2003 till July 2005.
Research Chemist at Orchid Biomedical Systems, Goa, India. January 2001 till July 2002.

Areas of Interest:

Functionalized liposomes, polyelectrolyte microcapsules, encapsulation, intracellular delivery and release, single cell analysis, cellular interaction and uptake of nano to micrometer sized colloidal particles.

Experimental Techniques and Experience:

Liposome and polyelectrolyte capsule fabrication and functionalization, encapsulation of small molecules, peptides and macromolecules, colloidal particle

characterization techniques, confocal laser scanning microscopy, mammalian cell culture, intracellular delivery techniques. (related to current work)

Design and development of enzyme-linked immunosorbent assay (ELISA) kits, immunochromatographic assay devices (ICT) devices and molecular diagnostics for HBV, HCV and HIV. (from previous professional experience)

Publications:

Research Articles:

Raghavendra Palankar, André G Skirtach, Oliver Kreft Kreft, Matthieu Bédard, Malgorzata Garstka, Keith Gould, Helmuth Möhwald, Gleb B Sukhorukov, Mathias Winterhalter, and Sebastian Springer **Controlled intracellular release of peptides from microcapsules to follow antigen presentation on MHC class I molecules** (*Submitted*)

Raghavendra Palankar, Mathias Winterhalter, Yannic Ramaye **Intracellular delivery of surface functionalized magneto-liposome nanocapsules into electropermeabilized non-phagocytic mammalian cells** (in preparation)

Reviews

Gleb B. Sukhorukov, Andrey L. Rogach, Malgorzata Garstka, Sebastian Springer, Wolfgang J. Parak, Almudena Muñoz-Javier, Oliver Kreft, Andre G. Skirtach, Andrei S. Susha, Yannic Ramaye, Raghavendra Palankar, Mathias Winterhalter **Multifunctionalized Polymer Microcapsules: Novel Tools for Biological and Pharmacological Applications**

Small Volume 3, Issue 6, Date: June 4, 2007, Pages: 944-955.

Book Chapter

Raghavendra Palankar, Yannic Ramaye, Didier Fournier, Mathias Winterhalter **Functionalized Liposomes** *Advances in Planar Lipid Bilayers and Liposomes*, Vol.7 (ISBN: 978-0-12-374308-4) May 2008.