

CURRICULUM VITAE

Name: Soumyajit Majumdar

Position: Associate Dean for Research and Graduate Programs, School of Pharmacy
Professor, Pharmaceutics and Drug Delivery
Research Professor, Research Institute of Pharmaceutical Sciences
Associate Director, Pii Center for Pharmaceutical Technology
Co-Director Hands-on Course in Tablet Technology

Office Address 111 Faser Hall
Department of Pharmaceutics and Drug Delivery
The University of Mississippi
University, MS, 38677.

Email majumso@olemiss.edu

Education: Bachelor of Pharmacy, 1989
Jadavpur University, Calcutta, India
Master of Pharmacy, 1991
Jadavpur University, Calcutta, India
Doctor of Philosophy, 2005
Pharmaceutical Sciences and Pharmacology
University of Missouri-Kansas City, MO, USA.

PROFESSIONAL EXPERIENCE

7/16 – to date **Organization:** **The University of Mississippi**
Title: *Professor, Department of Pharmaceutics, School of Pharmacy and Research Professor, RIPS*

3/15 - to date **Organization:** **The University of Mississippi**
Title : *Associate Dean for Research and Graduate Programs*

7/12 – to date **Organization:** **The University of Mississippi**
Title : *Associate Director, Pii Center for Pharmaceutical Technology*

7/11 – 6/16 **Organization:** **The University of Mississippi**
Title : *Associate Professor, Department of Pharmaceutics, School of Pharmacy and Research Associate Professor, RIPS*

7/05 – 6/11 **Organization:** **The University of Mississippi**
Title : *Assistant Professor, Department of Pharmaceutics, School of Pharmacy. and Research Assistant Professor, RIPS*

6/99 to 7/00: **Company:** **Orchid Healthcare, Chennai, India**
Title: *Deputy Manager Formulation Development*

5/97 to 6/99 **Company:** **Novartis Enterprises Pvt. Ltd. Mumbai, India**
Title: *Senior Executive (Group Leader) Research and Development*

93 to 4/97 Title: *Executive, Research and Development (Sandoz India Ltd. which became Novartis)*

4/92 to 93 Title: *Production Officer (Sandoz India Ltd.)*

6/91 to 4/92 Title: *Management Trainee, Manufacturing (Sandoz India Ltd.)*

ACHIEVEMENTS:

AWARDS / HONORS

Lipid-based Drug Delivery Outstanding Researcher Award 2014, Lipid based drug delivery focus group, American Association of Pharmaceutical Scientists.

Pharmaceutical Sciences Teacher of the Year Award, The University of Mississippi. (2013-2014)

Bachelor of Science in Pharmaceutical Sciences Teacher of the Year, The University of Mississippi, 2011-2012

New Investigator Research Award, The University of Mississippi, 2010-2011

Associates Grant Award. The University of Mississippi, 2007 – 2008

Faculty Research Fellowship Award, The University of Mississippi, 2006 – 2007

AAiPS Research Award, 2004, from American Association of Indian Pharmaceutical Scientists (AAiPS).

School of Graduate Studies Distinguished Dissertation Fellowship Award, University of Missouri-Kansas City (UMKC), 2004-2005.

Dean's Doctoral Scholar Fellowship, UMKC, 2003-2004

Outstanding Leadership Award in 2003 from School of Pharmacy, UMKC.

Outstanding Leadership Award in 2002 from School of Pharmacy, UMKC.

Chancellor's Non-Resident (CNR) Award, UMKC, 2000 – 2005.

University gold medal - M.S. program in the Division of Pharmaceutical Technology, Jadavpur University, Calcutta, India.

Scholarship from the University Grants Commission (Govt. of India) for the duration of the M.S. program (1989-1991).

ACADEMIC EXPERINCE

COURSES TAUGHT

- PHAR 331, Basic Pharmaceutics (3 Credit hours), Course Director
- PHAR 433, Industrial Pharmacy (Elective; 2 Credit hours), Course Director
- PHAR 660, Advanced Pharmacokinetics (3 Credit hours), Course Director

- PHAR 541 (2 Credit hours), Course Director
- PRCT 353 (2 Credit hours), Skills Lab I Course co-Instructor (about 30% course load)
- PHAR 649 – Product Development (3 Credit hours), Course Instructor
- PHAR 434, Biopharmaceutics and Pharmacokinetics, 2005-2006 Spring (3 Credit hours)
Co-Instructor (30% course load)

RESEARCH GRANTS

Current Projects

1R01AI132579-01 06/2017 – 05/2021
 Nano-carrier Formulations for Targeted Drug Delivery and Malaria Radical Cure
 Principal Investigator: **B. Tekwani**
 Role: **co-PI**
 Agency: NIH/NIAID
Total Budget: \$ 2,358,656

1R01EY022120-01A1 03/2015 – 02/2019
 Evaluation and Inhibition of Efflux Pumps Expressed on the Blood Ocular Barrier
 Principal Investigator: **S. Majumdar**
 Agency: NIH/NEI
Total Budget: \$ 1,489,470

MRI: Acquisition of a Field-Emission Scanning Electron Microscope to support multidisciplinary research and education at the University of Mississippi
 Principal Investigator: **S. Majumdar**
 Agency: NSF
Total Budget: \$ 346,641

P20 GM104932 Center of Research Excellence in Natural Product Neuroscience 09/2016 – 08/2017
 Program Director: **S. Majumdar**
 Agency: NIH/NIGMS
Total Budget: Approx. \$ 2,006,361

University of MS Research Foundation 09/2012 – 08/2017
 Pii Center for Pharmaceutical Technology
 Principal Investigator: S. Majumdar
 Project Director: M.A. Repka
Total Budget: \$ 500,000

Completed Projects

Oral Absorption of Hesperidin 3/27/06 – 4/26/06
Next Pharmaceuticals, Inc.
The major goal of this project was to research factors affecting oral absorption of hesperidin.
Principal Investigator: **S. Majumdar**
Total Budget: \$ 2,500

Berberine Project 10/07/05 – 12/06/05
Next Pharmaceuticals, Inc.
The major goal of this project was to study and improve dissolution of berberine.
Principal Investigator: **S. Majumdar**
Total Budget: \$ 12,500

P20 RR021929 (Matsumoto/Cutler) NCCR/NIH 09/2006-09/2009
Center of Research Excellence in Natural Products Neuroscience (CORE-NPN)
Individual Project Proposal: “Characterization, Formulation and Evaluation of THC Pro-drugs for Oral Transmucosal Delivery”
PI of Individual Project: Repka, M.A.
Co-PI of Individual Project: **Majumdar, S**
Total Budget: \$ 550,000

R21 EY18426-01 NIH/NEI 09/2007-02/2010
Localized modulation of RPE P-gp/MRP activity for back-of-the-eye drug delivery.
Principal Investigator: **S. Majumdar**
Total Budget: \$ 209,829

Small Grant Project (**Majumdar, S**) 07/2007 – 06/2011
Awarded through NIH/NCCR grant award P20 RR021929 (Cutler) Center of Research Excellence in Natural Products Neuroscience (CORE-NPN)
Small Grant Project Title: Vitreo-retinal hesperidin concentrations following topical or oral administration
Principal Investigator: **S. Majumdar**
Total Budget: \$ 166,000

Center for Thermal Pharmaceutical Processing Phases I & II 09/2008 - 08/2011
(Health Resources and Services Administration) (Repka, M.A)
Co-Principal Investigator: **S. Majumdar**
Total Budget: \$ 895,850

Hot-Melt Extrusion Feasibility Studies for AR-12: 09/2010 - 02/2011
Preformulation and Accelerated Stability
Co-Investigator: **S. Majumdar**
Other Involvement: REPKA, MICHAEL A - Principal investigator
Award Type: Business and Industry
Granting Agency: Other
Total Budget: \$ 40,316

2 R42 GM067304-02 (ElSohly) NIH/NIGMS 06/2008 – 05/2012
Project Title: Transmucosal Intra-Oral Drug Delivery System for THC
Co-Principal Investigator: **S. Majumdar**
Total Budget: \$ 745,161

Supplement to 2 R42 GM067304-02 (ElSohly) NIH/NIGMS 06/2008 – 05/2012
Project Title: Transmucosal Intra-Oral Drug Delivery System for THC
Co-Principal Investigator: **S. Majumdar**
Total Budget: \$ 142,200

Center for Thermal Pharmaceutical Processing (CTP2) Phase III 09/2010 - 08/2013
Principal Investigator: M.A. Repka
Co-Principal Investigator: **S. Majumdar**
Agency: DHHS
Total Budget: \$ 594,000

1R41EY020042-01A1 Development of Tetrahydrocannabinol 03/2011-02/2013
prodrugs for topical treatment of Glaucoma”
Principal Investigator at Research Institution: **S. Majumdar**
Agency: NIH/NEI
Total Budget: \$ 136,479

Technology Commercialization Initiative Fund 04/2013 – 09/2013
Controlled Release Ophthalmic Formulations
Principal Investigator of Project: **S. Majumdar**
Total Budget: \$ 15,000

1R41AI108113-01 08/2013 – 07/2015
Program Director: ElSohly M.A,
Project PI: ElSohly M.A, Majumdar S
Orally Active Formulations of DHA Dimers for the treatment of Infectious Diseases
Agency: NIH/NIAID
Total Budget: \$ 205,514

Properties of HME Extruded Films containing Kollidon® VA-64 01/2010 - 12/2014
and New Polymer, Soluplus®
Principal Investigator: M. A. Repka
Co-PI: **S. Majumdar**
Agency: BASF SE
Type: Research Contract
Total Budget: \$ 146,349

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