


## BIOGRAPHICAL SKETCH

NAME  <b>Rahul Thakar</b>  Physical Address: Graduate Student Department of Chemistry Indiana University 800 E. Kirkwood avenue Bloomington, IN 47405	Office: Simon Hall: 110B ph: (812)856-1873 <a href="http://www.indiana.edu/~bakergp/">http://www.indiana.edu/~bakergp/</a>  email: rthakar@indiana.edu	POSITION TITLE <b>Graduate Student</b> 
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INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
St. Stephens' College, Delhi University	B.S.	2004	Chemistry
St. Stephens' College, Delhi University	M.S.	2006	Chemistry
University of Illinois, Chicago		2007	Chemistry
Indiana University, Bloomington		2007-	

### A. Positions and Honors

#### *Professional Employment*

2006-07 **Research Assistant**, Department of Chemistry, University of Illinois, Chicago, Illinois

2005-06 **May- August Research Trainee**, Ranbaxy Research Laboratories, Gurgaon, Haryana, India

#### *Professional Activities*

Member, Society of Electroanalytical Chemistry (SEAC).

#### *Awards and Honors*

2004 Chemistry Symposium, Delhi University, India

2000 National Scholarship, CBSE, India.

### B. Peer Reviewed Publications (reverse chronological order)

1. Chen, Y.; Page, L.; Thakar, R.; Snee, P. T. "Synthesis and Functionalization of Non-toxic Visible-emitting Nanocrystals," SPIE Proceedings. **2008**, 6866, 686603.
2. Chen, Y.; Thakar, R.; Snee, P. T Imparting Nanoparticle Function with Size-Controlled Amphiphilic Polymers. *J. Am. Chem. Soc.* **2008**, 130, 3744-3745.
3. Thakar, R.; Chen, Y.; Snee, P. T. Efficient Emission from Core/(Doped) Shell Nanoparticles: Applications for Chemical Sensing. *Nano Lett.* **2007**, 7, 3429.

### C. Presentations

1. Thakar, R.; Baker, L.A. "A Fundamental Study of Patterned Surfaces with Chemically-Modified Ultra-Microelectrodes" (oral) Pittsburgh Conference 2010, Orlando, FL (March 2010).

2. Thakar, R.; Baker, L.A. “ A Fundamental Study of Patterned Surfaces Using Scanning Electrochemical Microscope” (poster) Turkey Run Conference; Turnkey Run, IN (October 2009).
3. Thakar, R. ; Chen,C.C.; Derylo, M.; Baker, L. A. “*Scanning Probe Microscopy* “ (poster) Midwest Universities Analytical Chemistry Conference; Bloomington, IN (November 2008).
4. Bhakthavatsalam, V.; Thakar, R.; Baker, L. A. “*Double Barrel Pipettes as Probes in Hybrid SECM/SICM.*” (poster) Indiana Microscopy Society. Bloomington, IN (April 2007).

#### **D. Teaching Experience**

2009	Associate Instructor	Fall Semester	Chemistry C-103: General Chemistry Lab
2008	Associate Instructor	Spring, Fall Semester	Chemistry N-330: Intermediate Inorganic Chemistry - Lab
2007	Associate Instructor	Fall Semester	Chemistry N-330: Intermediate Inorganic Chemistry- Theory
2007	Teaching Assistant	Spring Semester	Chemistry C-112: General Chemistry Lab and Discussion
2006	Teaching Assistant	Fall semester	Chemistry C-112: General Chemistry Lab and Discussion