

## BRIEF CURRICULUM VITAE – BRADLEY D. SMITH



Bradley D. Smith grew up in rural Australia and earned a B. S. degree (1<sup>st</sup> class honors) from the University of Melbourne before heading overseas for doctoral studies at the Pennsylvania State University (Ph. D. in 1988). He conducted postdoctoral research at Oxford University, UK and then at Columbia University before joining the faculty at Notre Dame as an Assistant Professor in 1991. He progressed through the ranks and was appointed *Emil T. Hofman Professor of Science* in 2008.

Professor Smith is recognized as a leader in the field of supramolecular chemistry applied to biological systems. He designs, synthesizes, and studies small organic molecules that selectively target cell surfaces and he has created molecular imaging probes for detecting cancer, cell death, and microbial infections in living animals. Many of these molecular imaging probes are commercially available for preclinical research applications. Professor Smith has also invented a novel family of high performance fluorescent and chemiluminescent dyes called squaraine rotaxanes and converted them into imaging probes for a wide range of potential applications in biomedical science, biotechnology, and nanotechnology.

Professor Smith is Director of the Notre Dame Integrated Imaging Facility, a state-of-the-art research resource that provides an integrated suite of sophisticated microscopes and imaging stations for Notre Dame science and engineering researchers. A more detailed description of Smith's research program can be found at <http://smithgroup.nd.edu/>

### **Personal Information**

Birth: 1961, Melbourne, Naturalized US Citizen,  
Spouse: Marie Anne Hendrie (attorney)  
Children: Caitlin 10/8/93 and Julianne 10/1/97  
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Granger, IN 46653  
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### **Education**

- B. Sc. (First Class Honors) University of Melbourne, Australia – 1983 (D. P. Kelly)
- Ph.D. Pennsylvania State University – 1988 (L. M. Jackman)

### **Primary Employment**

- Postdoctoral Fellow - Oxford University (J. E. Baldwin) 1989-1990
- Postdoctoral Fellow - Columbia University (K. Nakanishi) 1990-1991
- Assistant Professor - Department of Chemistry and Biochemistry,  
University of Notre Dame 1991-1997
- Associate Professor - Department of Chemistry and Biochemistry,  
University of Notre Dame 1997-2001
- Professor - Department of Chemistry and Biochemistry,  
University of Notre Dame 2001-2008
- Emil T. Hofman Professor of Science - Department of Chemistry  
and Biochemistry, University of Notre Dame 2008-present

### **Additional Positions**

- Senior Investigator, Walther Cancer Research Center (Notre Dame) 1999-present
- Director, Notre Dame Integrated Imaging Facility 2008-present
- Associate Editor *Bioconjugate Chemistry* 2014-present

### **Awards and Honors**

- Research Corporation Cottrell Scholar 1994
- NSF Early Career Development Award 1995
- Kaneb Outstanding Undergraduate Teaching Award 2000
- Fellow of American Association for Advancement of Science 2010
- Fellow Royal Society of Chemistry 2012
- Harold Kohn Endowed Distinguished Alumni Lecturer,  
The Pennsylvania State University 2018

### **Invited Lectures** 206

### **Publications** 263

### **Patents** 9

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