

## Suri Saranathan Iyer, Ph.D

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B.S. Chemistry. Honors 1987 -1990. Fergusson College, Pune, India. 1990.

M.S. Organic Chemistry (Hons), Indian Institute of Technology, Bombay, India. 1992.

Ph.D. Chemistry, Indiana University, Bloomington, Indiana, USA. 2000.

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**343567879\$** Professor and Chair, Department of Chemistry, University of Massachusetts, Lowell, MA. 8%&%"7,!'!#)'#'\$7("'%\*-(L)#&1-7&#\$#"-)\$%71-#=#&'(L%)1&G'

**;<\$78=>\$** Professor, Department of Chemistry, Georgia State University, Atlanta, GA. 8%&%"7,!'!#)'#'\$7("'%\*-(L)#&1-7&#\$#"-)\$%71-#=#&'(L%)1&G'

**?;@78=7\$A\$ "BC78=>\$** Associate Professor, Department of Chemistry, Georgia State University, Atlanta, GA. 8%&%"7,!'+"M#,3\*"1%&'(&'=)-N=%'"%7#L)-1-#)'2#5%7=5%&'\$#"1#0-)&'()\* \*'0(1,#L%)&G'

**"3478=8\$A\$&DE78==** Associate Professor, Department of Chemistry, University of Cincinnati, Cincinnati, OH. 8%&%"7,!'+"M#,3\*"1%&'(&'=)-N=%'"%7#L)-1-#)'2#5%7=5%&'\$#"1#0-)&'()\* \*'0(1,#L%)&G'

**1DB\$788F\$A\$ "3478=8\$** Assistant Professor, Department of Chemistry, University of Cincinnati, Cincinnati, OH. 8%&%"7,!'+"M#,3\*"1%&'(&'=)-N=%'"%7#L)-1-#)'2#5%7=5%&'\$#"1#0-)&'()\* \*'0(1,#L%)&G'

**7887A788F\$G\$** Postdoctoral Research Associate, Bioscience Division, Los Alamos National Laboratory, Los Alamos, NM. 8%&%"7,!'P5=#%&7%)153'5(M%5%\*'L537( )&'\$#"1#0-)&'()\* \*'0(1,#L%)&G'

**788=A7887\$G\$** Instructor, Emory School of Medicine, Atlanta, GA. 8%&%"7,!'63)1,%&-&'#\$',%0("-)'&=#\$(1%#5-L#&(77,("-\*%&'(&'( )1-7#(L=5( )1&G'

**7888A788=G\$** Postdoctoral Research Associate, Emory School of Medicine, Atlanta, GA. 8%&%"7,!'63)1,%&-&'#\$',3(5=#)() '\*-R'()\* '#5-L#&(77,("-\*%&'(&'( )1-7#(L=5( )1&G'

**=HH9A7888\$G\$** Doctor of Philosophy in Chemistry, Indiana University, Bloomington, IN. /-&&%"1(1-#)'I'+RS'632 2%1"-7&-)L5%'&-1%'2%1(5'(5T#0-\*%&'\$#"1,%'"-)L'#0%)&'()\* \*'0(1,#L%)&G'

**=HH8A=HH7\$G\$** M. S. Organic Chemistry (Hons), Indian Institute of Technology, Mumbai, India U,%&-&'63)1,%&-&'#\$'7,(57#L%)-\*%&'(&'2#\*%5&'\$#"1,%'P-&7,%'RU"#0&7,%"%(71-#)&G'

**=HIJA=HH8\$G\$** B.S. Chemistry (Hons), Fergusson College, Pune, India.

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Selected as an emerging leader (one of 15 across all schools and colleges at GSU) to participate in the Academic Leadership Development Program at GSU to develop into future academic leaders, 2018-2019.

International Union of Pure and Applied Chemistry Young Observer Fellowship 2015.

Time commitment: 1 summer month.

Aims: The goals of this proposal are to develop diagnostics for IBD.

PI: Suri S. Iyer

NIAID R33                    \$ 1,272,729                    07/01/2014-06/30/2019

Title: Development of point of care diagnostics for Norovirus. The goals of this proposal are to develop glycan based diagnostics for norovirus infections.

PI: Suri S. Iyer.

Co-PI: Jan Vinje, CDC and Christine Moe, Emory University

NSF REU    287,790\$    06/01/2013-05/31/2017

Title: Summer research experiences for undergraduates at Georgia State University The goals of this proposal are to provide an opportunity for 10-12 undergraduates to gain valuable research experience

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PI: William R. Heineman and Andrew Steckl.

Co-PI: Suri S. Iyer, Jason Heckenfield, H. Brian Halsall, William B. Connick, Carl J. Seliskar

NIAID. U01-AI075498

assess the susceptibility of a pathogen to an antipathogen drug. Also provided are probes suitable for use in conjunction with the methods described herein. **ONUDRQ\$?3@D\$=V\$78=W\$PC;@6DR\$&;6D\$SX\$. ;6D@6Q\$1DB6DTYDC\$=8V\$78=H\$** Assignee: Georgia State University research foundation, inc. Inventors: Suri Saranathan Iyer, Abasaheb Dhawane, Yun He, Xiaohu Zhang, Hieu Dinh, Mugdha Vasireddi, Joyce Sweeney

2. Synthetic ligands for the differentiation of closely related toxins and pathogens, **! "\$%#&' ( )\$\*+& 2- . 33, 45** Abstract: Synthetic ligand compounds and methods of differentiating between Shiga toxin 1 and Shiga toxin 2 are disclosed herein. Another embodiment includes a kit for differentiating between Shiga toxin 1 and Shiga toxin 2. Assay systems and methods for providing an assay are also provided for herein. Assignee: University of Cincinnati. **ONUDRQ\$ " BCNU\$=>V\$788 I V\$4C;@6DR\$&;6D\$SX\$. ;6D@6Q\$?3@D\$7V\$78=W\$** Inventors: Suri Saranathan Iyer, Duane Michael Hatch, Ramesh Ratan Kale, Alison Ann Weiss, Shantini Dodampe Gamage, Colleen M. McGannon.

: ;@35ECNB65\$3@RDC\$CDON5NS@ZN@B\$CDB;C;6NS@Q\$

3. Jia, T. and Iyer, S. S. "Cap and release" assays using palladium embedded in mesoporous silica nanoparticles, **2 ( )=&7"-01'-' ) "'%>-&#)G'**

4. Jia, T., Saikam, V., Luo Y., Sheng, X., Fang J., Natekar, J., Kumar, M. and Iyer S. S., Combining Bioorthogonal Chemistry with Fluorescent Silica Nanoparticles for the Ultrasensitive Detection of HIV-1 p24 Antigen, **2 ( )=&7"-01'-' ) '0"%O( "(1-#)G'**

6. Das A., Gurule B.P., Dhawane A. N. and Iyer S.S., Synthesis of biotinylated bivalent zanamivir analogs as probes for influenza viruses. *J Biol Chem*, 277(18):181-186.

7. Yang Y., Hai-Peng L., Qun Y., Mei-Bing Y., De-Min W., Tian-Wei J., Hao-Jie H., Yun H., Hai-Xia X., Iyer S. S., Zhen-Chuan F., Xin M., and Yu P., Multivalent S-sialoside protein conjugates block influenza hemagglutinin and neuraminidase. *J Biol Chem*, 278(1):68-75

8. Zhang W-Q, Yun H., Qun Y., Hai-Peng L., De-Min W., Xiao-Bin L., Jian L., Xin M., Hai-Juan Q., Lucchi N.W., Udhayakumar V., Iyer S. S., Yang Y. and Yu P. Polyvalent effect enhances diglycosidic antiplasmodial activity. *J Biol Chem*, 278(1):640-648.

9. Yang Z-L., Zeng X-F., Liu H-P., Yu Q., Meng X., Yan Z-L., Fan Z-C., Xiao H-X, Iyer S. S., Yang Y. and Yu P., Synthesis of multivalent difluorinated zanamivir analogs as potent antiviral inhibitors. *J Biol Chem*, 278(10):2579-2582.

28. Kale, R. R.; Mukundan, H.; Price, D. N.; Harris, J. F.; Lewallen, D. M.; Swanson, B. I.; Schmidt, J. G.  
and

46. Chisholm, M. H.; Cotton, F. A.; Daniels, L. M.; Folting K.; Huffman, J. C. Iyer, S. S.; Lin, C.; Macintosh, A. M. and Murillo, C. A. Compounds in which the  $\text{Mo}_2^{4+}$  unit is embraced by one, two or three



14. Member, Study Section, Oklahoma Center for the Advancement of Science and Technology's (OCAST) Health Research program, May 21-22, 2017.
15. Member, Study Section, Special Emphasis, Diagnostics Review Committee (ZAI1-LR

41. Coordinator for the ACS Project SEED, 2006-present. Project SEED is designed to encourage economically disadvantaged minority high school students to pursue career opportunities in the chemical sciences. We placed over 54 high school students over the past



22. Dr. Haielmicheal Yosief, my 5<sup>h</sup> Ph.D. student, 2008-2013, postdoctoral fellow at Dana Farber, Boston. (Since I moved to GSU, Dr. Yosief stayed behind at UC. I was still his de facto advisor, but since UC policies doesn't allow dual employment, Dr. David Smithrud became his advisor)
23. Dr. Sujit S. Mahajan, my 4<sup>h</sup> Ph.D student, 2006 -2010, currently working at Innovations, LLC, Cincinnati, Ohio as an analyst/innovator.
24. Dr. Ashish Kulkarni, my 3<sup>rd</sup> Ph.D. student, 2006-2010, assistant professor, University of Massachusetts, Amherst.
25. Dr. Dan Lewallen, my 2<sup>nd</sup> Ph.D. student, 2006-2010, patent agent, Indianapolis.
26. Mr. Duane M. Hatch, my 1<sup>st</sup> Ph.D. student, 2004-2009, assistant professor at Belmont University.
27. Dr. Ramesh R. Kale, postdoctoral fellow, 2005-2007, currently CEO at a startup in India.
28. Ms. Rebecca Vermillion, Masters student, 2004-2006, currently employed as a research chemist in Cleveland, Ohio.
29. Mr. Shalyajit Jadhav, Masters student, 2005-2009, graduated from Tulsa University, OK.
30. Mr. Justin Morrison, senior, undergraduate, 2006-2009, graduated with a MD from OSU.
31. Mr. Mike Laugle, undergraduate, 2005-2007, graduated with a MD from UC.
32. Ms.