

## CURRICULUM VITAE



**Dr. Srikanth Boinapally**

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Date of Birth: 3<sup>rd</sup> December 1982.

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### ACADEMIC RECORDS

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#### Postdoctoral Research Fellow

August 2016-Present

Prof. Martin G. Pomper, Radiology Department, School of Medicine  
Johns Hopkins University, Baltimore, MD-USA.

**Project:** *Ligand Targeted Cancer Therapeutics and Imaging agents*

#### Mairie De Paris Postdoctoral Fellow

Feb 2015-Jan 2016

Prof. Janick Ardisson/ Dr. Marie-Isabelle Lannou  
Faculté de Pharmacie, Université Paris Descartes, 75270 Paris, France.

**Project:** *Synthesis of the C<sub>1</sub>-C<sub>27</sub> Fragment of Hemicalide, a New Anticancer Marine Polyketide*

#### Postdoctoral Research Fellow

July 2014-Jan 2015

Prof. Soo Young Park, Department of Material Science & Engineering  
Seoul National University, Seoul, South Korea.

**Project:** *Design and synthesis of Azulene based co-polymers for photo-voltaic applications*

#### Postdoctoral Research Fellow

June 2013-May 2014

Prof. Manabu Abe, Department of Chemistry, Graduate School of Science  
Hiroshima University, Hiroshima, Japan.

**Project:** *Design, synthesis and photo reactivity of Novel caged glutamates for neuro applications*

#### Ph. D in Organic Chemistry

Jan 2007-April 2013

Kakatiya University, Warangal, Telangana, India.

Research Supervisor: Dr. Chada Raji Reddy, Principal Scientist.

**Thesis:** *Towards the total synthesis of pyran containing bio-active natural products: (-)-Dactylolide, Dinemasone A and Rhoiptelol B.*

#### M. Sc. in Chemistry (Organic Chemistry)

2003-2005

(First division with distinction)

Osmania University, Hyderabad, Telangana, India.

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### INDUSTRY EXPERIENCE

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**Senior Executive, Dr Reddy's Laboratories, Hyderabad, India (Research & Process development, August 2005-January 2007):** Involved in the process development and cost optimization of Fexofenadine

Hydrochloride (antihistamine with selective peripheral H<sub>1</sub>-receptor antagonist activity) and Sertraline Hydrochloride (anti-depressant of the selective serotonin reuptake inhibitor).

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## AWARDS

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- CSIR-JRF (2007-2008)
- CSIR-SRF (2009-2012)
- Mairie De Paris Post-Doctoral Grant (Feb 2015-Jan 2016)

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## LIST OF PUBLICATIONS

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1. Solid-supported acid-catalyzed C3-alkylation of 4-hydroxycoumarins with secondary benzyl alcohols: access to 3,4-disubstituted coumarins via Pd-coupling, Ch. Raji Reddy\*, **B. Srikanth**, N. Narsimha Rao, Dong-Soo Shin, *Tetrahedron*, **2008**, 11666-11672.
2. Synthesis of the tetrahydropyran subunit (C8-C20 fragment) of (-)-Dactylolide/(-)-Zampanolide, Ch. Raji Reddy\* and **B. Srikanth**, *Synlett*, **2010**, 1536-1538.
3. Total Synthesis of a Diarylheptanoid, Rhoiptelol B, Chada Raji Reddy\*, Nagavaram Narsimha Rao, and **Boinapally Srikanth**, *Eur. J. Org. Chem*, **2010**, 345-351.
4. Stereoselective synthesis of a tetrahydropyranyl diarylheptanoid *ent*-diaspongin A, Chada Rajireddy\*, Guvvala Balakrishna Reddy, **Boinapally Srikanth**, *Tetrahedron Asymmetry*, **2011**, 1725-1728.
5. Morita-Baylis-Hillman acetates of acetylinic aldehydes: versatile synthons for substituted pyrroles via a metal free tandem reaction, Chada Raji Reddy\*, Motatipally Damoder Reddy, **Boinapally Srikanth**, Kothakonda Rajendra Prasad, *Org. Biomol. Chem.***2011**, 6027-6033.
6. Phosphine-Mediated Cascade Reaction for Substituted Pyrroles: A Facile Access to *N*-Fused Pyrrolo-Heterocycles, Chada Raji Reddy\*, Motatipally Damoder Reddy, **Boinapally Srikanth**, *Org. Biomol. Chem.***2012**, 4280-4288.
7. Total Synthesis of a 6,6-Spiroketal Metabolite, Dinemasone A, Ch. Raji Reddy\*, **Boinapally Srikanth**, Uredi Dilipkumar, kakita Veera mohana Rao, Bharatam Jagadeesh, *Eur. J. Org. Chem*, **2013**, 525-532.
8. Substituent Effect on Reactivity of Triplet Excited State of 2,3- Diazabicyclo[2.2.1]hept-2-enes, DBH Derivatives:  $\alpha$  C–N Bond Cleavage versus  $\beta$  C–C Bond Cleavage, Manabu Abe\*, Shinji Watanabe, Hiroshi Tamura, **Srikanth Boinapally**, Kousei Kanahara, Yoshihisa Fujiwara, *J. Org. Chem*, **2013**, 78, 1940-1948.

9. Synthesis and photochemical reactivity of caged glutamates with  $\pi$ -extended coumarin chromophore as a photolabile protecting group, Yuya Sakamoto, **Srikanth Boinapally**, Claudine Katan, Manabu Abe\*, *Tetrahedron Letters*, **2013**, 54, 7171-7174.
10. Caged Glutamates with  $\pi$ -Extended 1,2-Dihydronaphthalene Chromophore: Design, Synthesis, Two-Photon Absorption Property and Photochemical Reactivity, **Srikanth Boinapally**, Bo Huang, Manabu Abe\*, Claudine katan, Jun Noguchi, satoshi Watanabe, Haruo kasai, Bing Xue and Takayoshi Kobayashi, *J. Org. Chem.* **2014**, 79, 7822-7830.
11. Elaboration of Sterically Hindered  $\delta$ -Lactones through Ring-Closing Metathesis: Application to the Synthesis of the C1–C27 Fragment of Hemicalide, Camille Lecourt, **Srikanth Boinapally**, Sabrina Dhambri, Guillaume Boissonnat, Christophe Meyer, Janine Cossy, Francois Sautel, Georges Massiot, Janick Ardisson, Geoffroy Sorin\*, Marie-Isabelle Lannou\*, *J. Org. Chem.* **2016**, 81, 12275-12290.

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## CONFERENCES ATTENDED

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- Poster presentation in the International conference on “**ASIAN SYMPOSIUM ON MEDICINAL PLANTS, SPICES AND OTHER NATURAL PRODUCTS**”- (**ASOMPS**) **XIII**, held at IICT, Hyderabad, India (Nov 3-6, 2008).
- Oral Presentation in “**93<sup>rd</sup> Chemical Society of Japan Annual Meeting**” in Kyoto, Japan (22<sup>nd</sup>-25<sup>th</sup> March 2013).
- Participated in “**Stimuli-responsive Chemical Species for the Creation of Functional Molecules**” at Meilparque Hiroshima, Japan (26<sup>th</sup>-27<sup>th</sup> March 2013).
- Poster presentation in “**24<sup>th</sup> symposium on physical organic chemistry**” at Gakushuin University, Tokyo (5<sup>th</sup> -7<sup>th</sup> September 2013).
- Oral Presentation in “**94<sup>th</sup> Chemical Society of Japan Annual Meeting**” in Nagoya University, Japan (27<sup>th</sup>-30<sup>th</sup> March 2014).

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## REFERENCES

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1. Dr. Ch. Raji Reddy  
Principal Scientist,  
Division of Natural Product Chemistry,  
Indian Institute of Chemical technology,  
Tarnaka, Hyderabad, India-500 607  
Email ID: [rajireddy@iict.res.in](mailto:rajireddy@iict.res.in)  
Phone: +91 40 27191885, Fax: +91 40 27160512.
2. Dr. Manabu Abe, Professor,  
Department of chemistry,  
Graduate School of Science,  
Hiroshima University,  
Hiroshima, 739-8526, Japan.  
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[mabe@hiroshima-u.ac.jp](mailto:mabe@hiroshima-u.ac.jp)
3. Prof. Janick Ardisson/ Dr. Marie-Isabelle Lannou,  
Faculté des Sciences Pharmaceutiques et Biologiques,  
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