

Name: Anasuya Ray

Date of Birth: 16 th November, 1973.

Sex: Female

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Education/Training

	Year	Field of Study	Institution
B.Sc.	1992-1995	Botany	University of Calcutta, Calcutta, India
M.Sc.	1995-1997	Botany	Visva-Bharati University, Santiniketan, India
Ph. D.	1999-2004	Microbiology	Bose Institute, Calcutta, India
Post-doc	2004-present	Biochemistry & Cell Biology	Dept. of Molecular, Cellular and Developmental Biology, UC Santa Barbara

Areas of Research:

Ph. D.: Isolation and characterization of pathogenic and antagonistic bacteria, properties of biocontrol mechanism utilized by antagonistic bacteria and its application against pathogenic bacteria.

Post Doc : Regulation of Microtubule Dynamics and cell division by anticancer drugs.

Experiences: Bacterial and mammalian culture, SDS PAGE, Western Blot, column chromatography, TLC, HPLC, microscopy (DIC and Fluorescence) and electron microscopy.

Current Visa status in US: J1 (continuing 2nd year started from August 2004)

Publications:

1. **Ray A**, Halder AK, Dutta TK, Chakrabartty PK. Characterization of a rhizospheric bacteria antagonistic to *Pseudomonas solanacearum* (to be communicated).
2. Mohan R, Banerjee M, **Ray A**, Manna T, Wilson L, Owa T, Bhattacharyya B, Panda D. (2006) Sulfonamides Inhibit Cancer Cell Proliferation at Mitosis by Inhibiting Microtubule Assembly Dynamics. *Biochemistry* (accepted).
3. **Ray A**, Miller HP, Okouneva T, Bishop J, Manna T, Schmid SM, Arthaud L, Jordan MA, Wilson L. Mechanism of Action of the Microtubule Targeted Depsipeptide Tasidotin (ILX 651) and its Major Metabolite (to be communicated soon).

Referees

1. **Leslie Wilson, Professor**
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2. **P. K. Chakrabartty, Professor, Dept. of Microbiology, Bose Institute, India**
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3. **Dr. Douglas Thrower** (I work with him in the present lab)
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