
Arun Srinivasan

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Areas of Research Interests:

Cell Signaling, Cancer, RNA interference

Date of Birth 28-06-1985

Nationality Indian

Institution

Centre for Biotechnology,
Anna University,
Chennai 600025
India

Degree B.Tech, Industrial Biotechnology

Year IV

Academics

April 2000	X	962/1100	SBOA Matriculation Higher Secondary School, Madurai
March 2002	XII	1126/1200	SBOA Matriculation Higher Secondary School, Chennai
2002-2006	B.Tech Industrial Biotechnology	7.184/10	Centre for Biotechnology, Anna University,

Training/ Projects

- Two-week 'Certified' training program in Cancer Research Institute (WIA), Chennai, under Dr.Susheela, Professor and Head of the Department of Cytogenetics, on Karyotyping. **(3-19, June 2003)**
- Training at the SPIC-Bioprocess lab, Taramani, Chennai under Dr. Arun Balakrishnan, Director, Centre for Biotechnology, Anna University: *Extraction of lead molecules from plant samples by chromatographic techniques and checking for Anti-Diabetic Activity by performing screening assays.* **(December 2003-June2004)**
- One Day 'Certified' Work shop on PCR and its applications, Oncophyta labs (Incorporated in Virginia), Madurai under Dr. G.Shanmugam, Professor, Madurai Kamaraj University, Madurai. **(September 25, 2004)**
- *In-vitro* studies on the *Synergistic effect of Curcumin with Chemical drugs on cancer cell lines*, under the guidance of Dr. Arun Balakrishnan, Professor, CBT, Anna University, Chennai **(Summer 2005)**
- Extraction of lead molecules from Medicinal Plants and screening for anti-inflammation activity by *in-vitro* assays at the Department of Phytochemistry and Department of Pharmacology (Inflammation), Nicholas Piramal Research Centre, [Nicholas Piramal India Limited](#), Mumbai. **(Dec 15 2005-Mar 15 2006)**

Memberships

- Biotech Research Society of India, RRL, Trivandrum, India
- International Organisation for Biotechnology and Bioengineering, Stockholm, Sweden
- The Bioinformatics Organization, Inc., Hudson, Massachusetts
- Indian Association of Cancer Research, Navi Mumbai, India

Publications

- Arun Srinivasan, '*RNA Interference as a New Boon Towards Cancer Therapy*', [Advanced Biotech](#), Volume IV, Issue 2, August 2005

Lab Techniques

● Extraction Techniques

Solvent Extraction by conventional and Soxhlet method, Column chromatography, Thin layer chromatography, HPLC.

● Molecular Biology - Techniques

Plasmid Isolation, Isolation of Bacterial Genomic DNA, Isolation of Chromosomal DNA from human blood, Preparation of competent cells, Transformation, Restriction Digestion, DNA Elution, Ligation, Induction, cloning, RNA isolation

● Bioinformatics

Phylogenetic analysis, Alignment, Sequence databases

● Cell Culture

Cell line maintenance, Cryo-Preservation, Cell Passaging, Chromosomal preparations, Karyotyping, Karyotype analysis from human blood & bone marrow samples

Cell lines handled: HL60, HeLa, HEP2, L6 myotubes, THP 1, U937, Raji, Hut 78

● In-vitro Assays and validation

Glucose-uptake assay, Thymidine Incorporation assay, Cytokine Release assay, Lymphocyte Proliferation assay, ELISA, SDS-PAGE, Western Blotting, RT-PCR, Flow Cytometry.

Symposiums and Conference

Presented

● **Poster** Presentation '*RNA Interference as a Therapeutic Tool for Cancer Therapy*' - **Srishti 2005**, A National Level Student Technical Symposium conducted by the Department of Biotechnology, Sathyabama Institute of Science and Technology, Deemed University, Chennai.

● **Paper** Presentation *Symbio 2005*, A National Level Technical Symposium conducted by the Department of Technology, Annamalai University. (7th April 2005)

Attended

● 1st National Symposium on "*Molecular basis of Diseases*", conducted by the Indian Institute of Technology, Madras (**8-9th, January 2005**)

● **31st National Immunology Conference** conducted by the Indian Immunology society (IIS). (**15-18th, December 2004**)

Positions

- **Project Trainee** at the Department of Phytochemistry and the Department of Pharmacology (HTS), under the leadership of Dr. Arun Balakrishnan, Vice-President, Screening and Biotechnology, Nicholas Piramal Research Centre, Nicholas Piramal India Ltd., Mumbai, India

Co-Curricular Activities

- Organizer of the [National Science Day](#), 2004
- Organizer of the 11th National level Symposium '[Biotechcellence 2005](#)'
- Member of the Scientific Committee for [Biotechcellence 2005](#)

Extra-curricular Activities

- Member of the [Rotaract club](#) of AC Tech from 2002-2006
- Member of the [National Sports Organization](#) for the year 2002-2003
- National Player in Chess
- District Player in Hockey

References

[Dr. Damodran](#)

Visiting Professor,
Centre for Biotechnology,
Anna University,
Chennai-600025 India

[Dr. P.Giridharan](#)

Senior Scientist,
Department of Pharmacology,
Nicholas Piramal Research Centre,
Nicholas Piramal India Limited,
Mumbai-400063 India.

[Dr.N. manjula](#)

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