



TO MAGNIFICA RETTRICE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE _7119__

I the undersigned Dr. Arivarasan Sampathkumar asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Bioscienze**

Scientist- in - charge: Dr. Achille Pellicoli

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Sampathkumar
Name	Arivarasan

PRESENT OCCUPATION

Appointment	Structure
-	-

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	B.Tech/ Biotechnology	Anna Univeristy	2016
Specialization	Biotechnology		
PhD	Biological Sciences	Osaka University	2024
Master	Medical Biotechnology	IIT, Hyderabad	2018
Degree of medical specialization	-	-	-
Degree of European specialization	-	-	-
Other	-	-	-

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
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FOREIGN LANGUAGES

Languages	level of knowledge
English	Fluent

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2016	MHRD fellowship by qualifying GATE examination for Masters and Junior Research Fellowship
2019	JICA scholarship for Doctoral studies

TRAINING OR RESEARCH ACTIVITY

Description of activity :
<ul style="list-style-type: none">My doctoral work focused on studying the role of Replication Protein A (RPA) in budding yeast meiosis using auxin-inducible degron system. A cornerstone of this research was applying advanced imaging techniques, including immunofluorescence microscopy to visualize protein localization and chromosomal dynamics. Employing these techniques I confirmed the role of RPA as a sensor for ssDNA during recombination checkpoint and other roles in DNA damage repair in budding yeast meiosis.

PROJECT ACTIVITY

Year	Project
2019	Understanding the role of single stranded DNA binding protein Replication protein, A (RPA) in meiotic recombination using Auxin inducible degron system.
2018	Mechanistic basis of abnormal neurogenesis due to HSN1E- associated DNA methyltransferase 1 (Dnmt1) mutation and pharmacological intervention for phenotypic correction
2017	Effects of Autism-associated mutations on structure and function of Epigenetic Regulator KMT5B.

PATENTS

Patent
-

CONGRESSES AND SEMINARS

Date	Title	Place
Feb 2018	Poster presentation on "Computational and	National Science Day Symposium, IIT,



	Biochemical Analysis of Autism associated mutations in epigenetic regulator proteins”	Hyderabad, India
Nov 2021	Poster presentation on “Analysis of single stranded DNA binding protein Replication protein A (RPA) in meiotic recombination using Auxin inducible degron system.”	IPR Retreat, Institute for Protein Research, Osaka University, Osaka, Japan

PUBLICATIONS

Books
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Articles in reviews
Sampathkumar A, Zhong C, Tang Y, Fujita Y, Ito M, Shinohara A. Replication protein-A, RPA, plays a pivotal role in the maintenance of recombination checkpoint in yeast meiosis. Sci Rep. 2024 Apr 25;14(1):9550. doi: 10.1038/s41598-024-60082-x. PMID: 38664461; PMCID: PMC11045724.
Congress proceedings
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OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: ____Chennai, India_____, ____18-02-2025_____

