

RAHUL GAUTAM

63 Vasant G/H Society
Mayur Vihar Ph 1 Extn.

Delhi, India 110091

Mobile No: +91-9958052748
Skype id : rgau.cn14@yahoo.com
Nationality: Indian
E-mail ID: rgau.cn14@yahoo.com

Education

2014-2019 Ph.D. in Immunology , Zhejiang University, China

Thesis Title – The role of MST1 kinase in mast cell mediated allergic response.

2010-2012 Masters in Biotechnology, Bharathiar University, India

Thesis Title –Study on the characterisation and effects of cancer associated fibroblasts on breast cancer cells

Institute – Cancer Research Program, Rajiv Gandhi Centre for Biotechnology, Kerala-India

1998-2001 Bachelors in Biology, Delhi University, India

Subjects – Botany, Zoology, Chemistry. Courses and lab work.

Peer-Reviewed Publications

- 1) Wenlong Lin, Fasheng Su, **Rahul Gautam**, Ning Wang, Yuanyuan Zhang, Xiaojian Wang (2018). Raf kinase inhibitor protein negatively regulates FcεRI mediated mast cell activation and allergic response. **PNAS** 115(42) E9859-E9868 21006-11 DOI: 10.1073/pnas.1805474115 (**Equal First Author**).
- 2) Chunmei Ma, Wenlong Lin, Zhiyong Liu, Wei Tang, Rahul Gautam, Hui Li, Youcun Qian, He Huang, Xiaojian Wang (2017). NDR1 protein kinase promotes IL-17 and TNF-α mediated inflammation by competitively binding TRAF3. **EMBO reports** el.18(4):586-602 DOI: 10.15252/embr.201642140
- 3) C. Rejeeth, A. Sharma, V. Nipun Babu and **R. Gautam** (2020). Label-free colorimetric detection of serum cysteine using Ag-NPs probes for immanence of Be²⁺ ions. **New Journal of Chemistry**. DOI:10.1039/d0nj00967a

Work Experience and Leadership

- BLESS-NGO(non-governmental organisation):Project coordinator for community based projects and teacher.(2001-2014). Delhi –India.

- Academic Specialist: Hangzhou Jianpei Tech Ltd. China(04 Sept 2019-25 Nov 2019)
 - a) Liaison b/w medical and AI diagnostics teams.
 - b) Communications, brand promotion.
- Academic consultant : Hangzhou Lingting Creative Company (11/2019-12/2021)
- Medical academic specialist: Dobi Medical International,Optical Imaging (13/01/2022-31/01/2023)
 - : Image reading,Data analysis,academic analysis of physiological and pathological aspects of breast tumours of patient images from clinical trial,document collation.
- Freelance Medical Writer(02/2023-present)

Technical Skills Learned

- Mice Handling, Subcutaneous Injection, Intraperitoneal Injection & Intravenous Injection
- Isolation and culture of mouse bone marrow-derived mast cells(BMMCs)
- Harvesting of Liver, Spleen and Lymph Nodes from mice
- Isolation of Mouse Peritoneal Cavity Macrophages
- Isolation of Lymphocytes from Spleen and Lymph Node
- Immunostaining of Immune Cells, Flow cytometric analysis
- Cell culture: RBL-2H3 cells, human HEK293T cells, BMMCs, breast cancer cell lines MDAMB ,MCF 7
- Microbiology: Liquid and Solid Culture of Bacteria, Isolation and Transformation
- Competent cell preparation
- Microscopy: Florescent and Light microscopy
- Molecular Biology: DNA & RNA extraction, bacterial transformation, transfection, Primer Designing, Molecular Cloning, Lentivirus-delivered plasmid gene overexpression, siRNA silencing, PCR, qPCR
- Biochemistry: Western Blotting, Co-Immunoprecipitation, ELISA
- β hexosaminidase assay for mast cell mediator release, PSA and PCA mouse models, cell proliferation assay.

Research Experience

Zhejiang University, China

(2014-2019)

Ph.D. Student on full Chinese government scholarship; Advisor: Prof Xiaojian Wang. PhD

- Designed and executed mast cell mediated allergic response animal models to study PSA-passive systemic anaphylaxis and PCA passive cutaneous anaphylaxis, and molecular signalling studies.
- Identified RKIP as an inhibitor of mast cell activation for the first time and showed it negatively regulates mast cell mediated anaphylactic response and allergic asthma in vivo.
- Showed MST1 –mammalian sterile 20 like negatively regulates mast cell mediated release of cytokines and chemokines, and its inhibitory role on systemic allergic reactions(PSA)

Rajiv Gandhi Centre for Biotechnology, India

(2012)

Masters Project; PI: Priya Srinivas, Scientist, PhD

Study on the characterisation and effects of cancer associated fibroblasts (CAFs) on breast cancer cells

- Characterisation of isolated CAFs from human breast tissue samples.
- Effects of CAFs on breast cancer cell lines MDAMB and MCF7

University of Milan Bicocca, Italy

(2011)

Summer Trainee; PI: Prof. Guido Cavaletti, M.D

- Studied and learned animal experiments on chemotherapy induced peripheral neuropathy.
- Behavioural testing and neurophysiological recordings.

Teaching Assistantship

Zhejiang University , China

Transferable Skills:

- Experience in protocol and manuscript development
- Ability to work independently, in a team, supervise others, and follow through with tasks.
- Excellent written and verbal communication skills.
- MS Office: Word, Excel, PPT
- GraphPad Prism
- R programming basics (t-test ,liner regression, dplyr, ggplot, basic biostatistics)



BHARATHIAR UNIVERSITY

COIMBATORE


FOLIO NO.

4940

CHOICE BASED CREDIT SYSTEM

CONSOLIDATED STATEMENT OF MARKS

NAME OF THE EXAMINEE RAHUL GAUTAM			COLLEGE OF STUDY/CENTRE DEPARTMENT OF ZOOLOGY UNIVERSITY DEPARTMENT						
REGISTER NO 10ZO0B10			DEGREE & BRANCH OF STUDY M.Sc. ANIMAL BIOTECHNOLOGY			MONTH & YEAR OF LAST APPEARANCE APRIL 2012			
PART	SEM	COURSE CODE	COURSE TITLE	CREDIT	MAX MARKS	AWARDED	GRADE POINTS	GRADE	MONTH & YEAR
3	1	13A	BIOCHEMISTRY & BIOPHYSICS	4	100	060	6.0	A	11-10
3	1	13B	MOLECULAR CELL BIOLOGY	4	100	057	5.7	B	11-10
3	1	13C	MICROBIOLOGY	4	100	058	5.8	B	11-10
3	1	13D	HUMAN CYTOGENETICS	4	100	071	7.1	A+	11-10
3	1	13P	PRACTICAL I	4	100	078	7.8	D	11-10
3	1	1EA	ELECTIVE:PROTEIN CHEMISTRY	4	100	078	7.8	D	04-11
3	1	1GS32	STATISTICAL METHODS FOR BIOLOGISTS	2	50	030	6.0	A	11-10
3	2	23A	PROTEOMICS	4	100	069	6.9	A	04-11
3	2	23B	CELL SIGNALLING AND RECEPTOR BIOLOGY	4	100	070	7.0	A+	04-11
3	2	23C	STEM CELL TECHNOLOGY	4	100	061	6.1	A	04-11
3	2	23D	MOLECULAR TOXICOLOGY	4	100	076	7.6	D	04-11
3	2	23P	PRACTICAL II	4	100	079	7.9	D	04-11
3	2	2EB	ELECTIVE:MOLECULAR ENTOMOLOGY	4	100	071	7.1	A+	04-11
3	2	2GS46	BASICS OF OMICS CONCEPTS	2	50	033	6.6	A	04-11
3	3	33A	NANO BIOTECHNOLOGY	4	100	064	6.4	A	11-11
3	3	33B	IMMUNOTECHNOLOGY	4	100	069	6.9	A	11-11
3	3	33C	GENETIC ENGINEERING	4	100	076	7.6	D	11-11
3	3	33D	MOLECULAR TAXONOMY	4	100	064	6.4	A	11-11
3	3	33E	BIOETHICS & BIOSAFETY	4	100	061	6.1	A	11-11
3	3	33P	PRACTICAL	4	100	082	8.2	D+	11-11
3	3	3EC	ECOBIOTECHNOLOGY	4	100	060	6.0	A	11-11
3	3	3GS25	CLINICAL MICROBIOLOGY	2	50	034	6.8	A	11-11
3	4	46A	FIELD TRIP & SKILL DEVELOPMENT	2	50	025	5.0	B	04-12
3	4	47V	PROJECT WORK & VIVA-VOCE	6	150	143	9.5	O	04-12
** END OF STATEMENT **									



Credit Earned	CGPA	GRADE	Classification
90	6.980	A+	FIRST CLASS

K.G. Senthil Kumar



Reg. No: 10200810

பாரதியார் பல்கலைக் கழகம்
Bharathiar University

அறிவியல் புலம்

FACULTY OF SCIENCE

பாரதியார் பல்கலைக் கழகம் ஏப்ரல் 2012ஆம் ஆண்டு நடத்திய
விலங்கு உயிர்நுட்பவியல் தேர்வில் ராகுல் கௌதம், முதல் வகுப்பில்
தேர்ச்சி பெற்றுத் தகுதியடைந்திருப்பதாக, உரிய தேர்வாளர்கள் சான்றளித்ததை ஏற்று,
அறிவியல் நிறைஞர் என்னும் பட்டத்தினை அவருக்குப் பல்கலைக் கழக இலச்சினையுடன்,
பாரதியார் பல்கலைக் கழக ஆட்சிக் குழு வழங்குகின்றது.

The Syndicate of the Bharathiar University hereby makes known that **RAHUL GAUTAM**
has been admitted to the Degree of **MASTER OF SCIENCE**, having been certified by duly appointed
Examiners to be qualified to receive the same in **ANIMAL BIOTECHNOLOGY** and was placed
in the **FIRST** Class, at the Examination conducted in **APRIL 2012** by Bharathiar University.



Given under the Seal of the University.



கோயம்புத்தூர்

Coimbatore

ab50372

நாள்

K. G. Senthil

தேர்வாளனையர்

Controller of Examinations

D. M. Senthil

பதிவாளர்

Registrar

D. M. Senthil

துணைவேந்தருக்காக

For Vice-Chancellor

C No 354117

Dated: 10th August 2012
ISSUED ON 11 SEP 2012



राजीव गाँधी जैव प्रौद्योगिकी केन्द्र RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY

(जैव प्रौद्योगिकी में प्रगामी अनुसंधान और प्रशिक्षण के लिए एक केन्द्र)
A CENTRE FOR ADVANCED RESEARCH AND TRAINING IN BIOTECHNOLOGY

जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार
DEPARTMENT OF BIOTECHNOLOGY, MINISTRY OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA

CERTIFICATE

This is to certify that the dissertation entitled “**Study on the Characterization and Effects of Cancer Associated Fibroblasts on Breast Cancer Cells**” is an authentic record of work carried out by **Rahul Gautam**, M.Sc Animal Biotechnology, Department of Zoology, Bharathiar University, Coimbatore, Tamil Nadu under my supervision and guidance during the period from December 20th, 2011 to April 2nd, 2012 in partial fulfillment of the requirement for M.Sc Degree .

Thiruvananthapuram
02.04.2012


Dr. Priya Srinivas
(Research Mentor)

Dr . PRIYA SRINIVAS
SCIENTIST
CANCER RESEARCH PROGRAM
RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY
THIRUVANANTHAPURAM- 695014
KERALA, INDIA

Prof. Guido Cavaletti

Dipartimento di Neuroscienze e Tecnologie Biomediche

v. Cadore 48 - 20052 Monza

tel +02 6448 8039, mobile +335 100 6664

fax +02 6448 8250

e-mail: guido.cavaletti@unimib.it



Monza, Sept 12th, 2011

To whom it may concern

I am pleased to confirm that Rahul Gautam has been hosted by the PhD Program in Neuroscience of my University in the period June-July 2011 to perform an educational stage in the field of experimental peripheral neuropathies.

During his stay he demonstrated a positive and collaborative attitude while he was trained in the use of animals for experimental studies according to the current regulations and Good Laboratory Practice rules, as well as in the use of the devices required for neurophysiological recordings and behavioral testing.

It is my opinion that Rahul fruitfully followed the training activities and his learning skills were absolutely appropriated, indicating he could be further involved in experimental animal studies according to his level of expertise.

Prof. Guido Cavaletti
Head, PhD Program in Neuroscience

guido.cavaletti@unimib.it

Firmato digitalmente da guido.cavaletti@unimib.it
DN: o=Università degli Studi di Milano-Bicocca, st=Milano, c=IT, l=Milano,
ou=1224, givenName=guido angelo, email=guido.cavaletti@unimib.it,
sn=cavaletti, cn=guido.cavaletti@unimib.it
Data: 2011.09.11 10:58:27 +02'00'

浙江大学

博士学位证书

RAHUL GAUTAM, 男, 1977年10月18日生。
在我校完成了免疫学专业博士学位培养计划, 授予
医学博士学位。



校长

吴朝晖



证书编号: 1033522019501018

二〇一九年三月三十日

Zhejiang University

Hereby it is certified that

Mr. RAHUL GAUTAM

in recognition of the satisfactory fulfillment of the prescribed requirements

is conferred the degree of

Doctor of Medicine

(Immunology)

on March 30th, 2019

吴朝晖

President of Zhejiang University



教育部学位与研究生教育发展中心

CHINA ACADEMIC DEGREES & GRADUATE
EDUCATION DEVELOPMENT CENTER

认 证 报 告

CREDENTIALS REPORT

FILE NO.: 690606047217

DATE: September 25, 2019

Full Name: Rahul Gautam/RAHUL GAUTAM

Gender: Male

Date of Birth: October 18, 1977

Degree Level: Doctor's Degree

Degree-conferring Unit: Zhejiang University (浙江大学)

Major(Subject): Immunology

Discipline(Field): Medicine

Degree Awarding Year: 2019

Certificate No.: 1033522019501018



China Academic Degrees & Graduate Education
Development Center

Notes:

1. The above information is derived from the records of National Information Center for Academic Degrees and Graduate Education, and degree-conferring units.
2. Online authentication of the credentials report can be made by using File No. at <http://www.chinadegrees.cn/cqva/gateway.html>, or scan the QR code on the right side by applet of WeChat.





浙江大学
ZHEJIANG UNIVERSITY

自助打印专用纸: 0164626

学历证明

RAHUL GAUTAM , 性别 男 , 1977年10月18日
生, 于2014年09月20日至 2019年03月30日 在 免疫学 专业学习, 修完
博士研究生培养计划规定的全部课程, 成绩合格, 毕业论文答辩通过, 准
予毕业。

证书编号: 103359201901500002

颁发时间: 2019年03月30日

颁 发 人: 吴朝晖 浙江大学校长

DIPLOMA

This is to certify that RAHUL GAUTAM , Male , born on
October 18, 1977 , has majored in Immunology at this university from
September 20, 2014 to March 30, 2019 and has successfully fulfilled all
the requirement of the prescribed Doctor course and passed the
thesis defense. Graduation is hereby granted.

Certificate No.: 103359201901500002

Issued on: March 30, 2019

Issued by: Wu Zhaohui President of Zhejiang University

防伪验证



7314 1801 2196 7900 672

浙江大学研究生院
Graduate School of Zhejiang University

2019/03/28
研究证明专用章

经检索《Web of Science》和《Journal Citation Reports (JCR)》数据库,《Science Citation Index Expanded (SCI-EXPANDED)》收录论文及其期刊影响因子如下。(检索时间:2019年7月2日)

第1条,共2条

标题:Raf kinase inhibitor protein negatively regulates Fc epsilon RI-mediated mast cell activation and allergic response

作者:Lin, WL(Lin, Wenlong);Su, FS(Su, Fasheng);Gautam, R(Gautam, Rahul);Wang, N(Wang, Ning);Zhang, YY(Zhang, Yuanyuan);Wang, XJ(Wang, Xiaojian);

来源出版物:PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 卷:115 期:42 页:E9859-E9868DOI:10.1073/pnas.1805474115 出版年:OCT 16 2018

入藏号:WOS:000447491300012

文献类型:Article

地址:

[Lin, Wenlong; Su, Fasheng; Gautam, Rahul; Wang, Ning; Wang, Xiaojian] Zhejiang Univ, Sch Med, Inst Immunol, Hangzhou 310058, Zhejiang, Peoples R China.

[Zhang, Yuanyuan] Zhejiang Univ, Sch Med, Childrens Hosp, Dept Resp Med, Hangzhou 310058, Zhejiang, Peoples R China.

[Wang, Xiaojian] Zhejiang Univ, Sch Med, Affiliated Hosp 1, Bone Marrow Transplantat Ctr, Hangzhou 310003, Zhejiang, Peoples R China.

通讯作者地址:

Wang, XJ (reprint author), Zhejiang Univ, Sch Med, Inst Immunol, Hangzhou 310058, Zhejiang, Peoples R China.; Wang, XJ (reprint author), Zhejiang Univ, Sch Med, Affiliated Hosp 1, Bone Marrow Transplantat Ctr, Hangzhou 310003, Zhejiang, Peoples R China.

电子邮件地址:wangxiaojian@cad.zju.edu.cn

IDS号:GX1PZ

ISSN:0027-8424

期刊《PNATLACAD SCI USA》2018年的影响因子为9.58,五年影响因子为10.6。



第2条,共2条

标题:NDRI protein kinase promotes IL-17-and TNF-alpha-mediated inflammation by competitively binding TRAF3

作者:Ma, CM(Ma, Chunmei);Lin, WL(Lin, Wenlong);Liu, ZY(Liu, Zhiyong);Tang, W(Tang, Wei);Gautam, R(Gautam, Rahul);Li, H(Li, Hui);Qian, YC(Qian, Youcun);Huang, H(Huang, He);Wang, XJ(Wang, Xiaojian);

来源出版物:EMBO REPORTS 卷:18 期:4 页:586-602DOI:10.15252/embr.201642140 出版年:APR 2017

入藏号:WOS:000399327500012

文献类型:Article

地址:

[Ma, Chunmei; Lin, Wenlong; Liu, Zhiyong; Tang, Wei; Gautam, Rahul; Wang, Xiaojian] Zhejiang Univ, Sch Med, Inst Immunol, Hangzhou, Zhejiang, Peoples R China.

《SCI-EXPANDED》收录及《JCR》期刊影响因子证明

[Li, Hui] Zhejiang Canc Hosp, Dept Chemotherapy, Hangzhou, Zhejiang, Peoples R China.

[Qian, Youcun] Chinese Acad Sci, Inst Hlth Sci, Stem Cell Biol, Shanghai, Peoples R China.

[Qian, Youcun] Shanghai Jiao Tong Univ, Sch Med, Shanghai, Peoples R China.

[Huang, He] Zhejiang Univ, Affiliated Hosp 1, Sch Med, Bone Marrow Transplantat Ctr, Hangzhou, Zhejiang, Peoples R China.

通讯作者地址:

Wang, XJ (reprint author), Zhejiang Univ, Sch Med, Inst Immunol, Hangzhou, Zhejiang, Peoples R China.

电子邮件地址:wangxiaojian@cad.zju.edu.cn

IDS 号:ES2AG

ISSN:1469-221X

期刊《EMBO REP》2017 年的影响因子为 8.749, 五年影响因子为 9.127。

注:

1. 期刊影响因子及分区情况最新数据以 JCR 数据库最新数据为准。
2. 以上检索结果来自 CALIS 查收查引系统。
3. 以上检索结果均得到委托人及被检索作者的确认。



教育部科技查新工作站 (Z09)
检索人 (签章): 徐菁菁
2019 年 7 月 2 日



工作资历证明

Certificate of working experience

姓名 name	RAHUL GAUTAM	国籍 nationality	印度 india
职位 position	医学学术专员 Medical academic specialist	性别 gender	男 male
护照号码 Passport number	Z5544536	生日年月 Date of birth	1977/10/18
原合同起止日期 Date of commencement and termination of the original contract	20220113-20230131	工作时间 Working time	20220113-20230131

工作内容:

主要负责 DOBI 图像 (读片) 数据分析;

乳腺肿瘤生理和病理基础原理的学术检索和分析并整理文档;

关注国际肿瘤及筛诊治研究动向, 整理和编辑相关产品资料。

Job Description:

Mainly responsible for DOBI image (film reading) data analysis;

Academic search and analysis of physiological and pathological fundamentals of breast tumors and document collation;

Follow the trend of international oncology and screening diagnosis and treatment, collate and edit relevant product data.



工作评价:

RAHUL GAUTAM 先生在岗工作期间勤勉努力, 整体工作完成状况良好, 与同事间相处融洽, 合作顺畅。

Job evaluation:

Mr. RAHUL GAUTAM has been diligent in his work. He has completed his work well and got along well with colleagues.

公司名称: 浙江杜比医疗科技有限公司

单位盖章:



日期: 2023 年 01 月 31 日