

Special Interest Group

On



Reproductive Neuroendocrinology Research

An Initiative
of
Research Division
JSS AHER, Mysuru-15.



Group Leader
Dr. Raghu Nataraj
Assistant Professor
Division of Molecular Biology
School of Life Sciences.
JSS AHER, Mysuru

Started on 2023-24



JSS Academy of Higher Education & Research

(Deemed to be University)

Accredited By NAAC with 'A' Grade.

Sri Shivarathreeswara Nagara, Mysore-570 015, Karnataka, India

Phone No.: 0821-2548393 Fax No.: 0821-2548394 Email: registrar@jssuni.edu.in, Web: www.jssuni.edu.in

Ref: JSS AHER/REG/RES/SIG/RNR/682/2024-25 / 2140

Date: 14.05.2024.

NOTIFICATION

Sub: Constitution of Special Interest Group in Reproductive Neuroendocrinology Research (RNR). -Regd.

In exercise of powers conferred under Section 50 (xxii) and 12 [xi (a)] of the MOA/Rules of JSS Academy of Higher Education & Research as per UGC Regulations 2016, the Special Interest Group (SIG) in the area of "**Reproductive Neuroendocrinology Research (RNR)**" has been constituted for focusing on basic and applied research in the mentioned area with the following members:

Sl. No.	Name of the proposed members	Remarks
01	Dr. Raghu Nataraj, Assistant Professor, Division of Molecular Biology, School of Life Sciences, Mysuru	Group Leader
02	Dr. M .V. S. S. T Subba Rao Professor, Dept. of Biochemistry, JSS Medical College, Mysuru	Member
03	Dr. T S Sathyanarayana Rao Psychiatrist & Professor, Dept of Psychiatry, JSS Medical College & Hospital, Mysuru	Member
04	Dr. Saravana Babu Professor, Dept of Pharmacology, JSS College of Pharmacy, Mysuru	Member
05	Dr. Balamuralidhara V Associate Professor, Dept. of Pharmaceutics, JSS College of Pharmacy, Mysuru	Member
06	Dr. Asha Srinivasan Assistant Professor, Division of Cosmetic Science & Nanotechnology, School of Life Sciences, Mysuru	Member
07	Dr. Shwetha H E Assistant Professor, Dept. of Food & Nutrition, JSS AHER	Member
08	Dr. Archer Ann Catherine Assistant Professor, Dept. of Microbiology, JSS AHER	Member
09	Dr. Jamuna Bai A Assistant Professor, Dept. of Microbiology, JSS AHER	Member

(P.T.O)

10	Dr. Vadiraj K T Assistant Professor, Dept. of Environmental Sciences, SS AHE.R	Member
11	Dr. Mamatha S Professor & Head, Dept of Obstetrics & Gynaecology, JSS Medical College, Mysuru.	Member
12	Dr. Lakshmi Nagendra Associate Professor, Department of Endocrinology, JSS Medical College, Mysore.	Member
13	Dr. Nabha Srinivas Shreyas, MBBS, MD Dermatologist & CEO, Mysuru.	External Member
14	Dr. Vijay Avin Assistant Professor, Canter for Lung and Vascular Biology, College of Medicine University of Illinois, Chicago, Illinois.	External Member
15	Dr. Pradeepa K Assistant Professor, Dept of PG Studies & Research in Biotechnology, Kuvempu University, Shivamogga.	External Member
16	Dr. Varuna kumara J B Assistant Professor & HOD DOS in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga.	External Member

The SIG “**Reproductive Neuroendocrinology Research (RNR)**” shall function for a period of three years from the date of Notification.

The SIG shall submit their report once in six months to the JSS AHER. The budget for the functioning shall be submitted by the Group leader of the SIG and approval shall be obtained from JSS AHER for carrying out their various activities.


REGISTRAR

To,
All the above members,
Copy to,

1. The Vice Chancellor, JSS AHER.
2. The Finance Officer, JSS AHER
3. The Dean (Research), JSS AHER.
4. The Dy. Deans (Research), JSS AHER.
5. The Head, School of Life Sciences, Mysuru
6. Dr. Raghu Nataraj, Assistant Professor, Division of Molecular Biology, School of Life Sciences, Mysuru
7. Office copy



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Date: 27.06.2024.

Sub: Sanction of 1st installment to Dr. Raghu N, Assistant Professor, Division of Molecular Biology, School of Life Sciences, Mysuru for SIG in "**Reproductive Neuroendocrinology Research (RNR)**"-regd.

Preamble:

JSS Academy of Higher Education & Research had approved the formations of the Special Interest Group (SIG) in "**Reproductive Neuroendocrinology Research (RNR)**" vide Deemed to be University notification under reference above. Provision has also been made for allocation of funds for functioning of SIGs from Research and Development head of account of JSS AHER to Research and Development account of constituent colleges based on the budget prepared and submitted by the Group Leader for the proposes as stated in the order of the respective SIG.

Further, the JSS AHER has approved to sanction seed money up to Rs.3,00,000/- (Rupees three lakh only) for each SIG in instalments Rs.50,000/- (Rupees fifty thousand only) per installment subject to the submission of the bills of utilization of the same along with the progress report of each installment.

Dr. Raghu N, Assistant Professor, Division of Molecular Biology, School of Life Sciences, Mysuru & Group leader of the above said SIG has sent a proposal requesting to sanction seed money for the above said SIG and the same has been approved by the Vice Chancellor, hence the order.

ORDER No. JSS AHER/REG/RES/SIG/RNR/682/2023-24 dated 25.05.2024.

Sanction is accorded for the payment of Rs. 50,000/- (Rupees fifty thousand only) to the Special Interest Group in "**Reproductive Neuroendocrinology Research (RNR)**" as a first installment for the sanction of seed money of Rs.3,00,000/- for the following purposes of the said SIG only.

1. Meeting expenses.
2. Short travel within India for the purpose of Group objectives.
3. Secretarial assistance as required.
4. Preparation of project proposals/reports.

The Group leader of the said SIG shall be responsible for usage of the above said sanctioned fund for the purpose as mentioned above and also submitting the bills of utilization to JSS AHER along with the detailed report on the progress made by the SIG.

The Group leader of the said SIG shall operate the sanctioned amount in consultation with the Head, School of Life Sciences, Mysuru.

JSS Academy of Higher Education & Research shall reserve the rights for further sanctioning of installments and shall decide, after receiving the bills of utilization and report submitted, on the earlier sanctioned amount.

The Cheque may be issued in favour of **Dr. Raghu N.**


REGISTRAR

Name of the SIG: Reproductive Neuroendocrinology Research

Approval Reference: JSS AHER/REG/RES/SIG/RNR/
682/2024-25 dated 14/05/2024

Name of the Team Leader: Dr. Raghu Nataraj

Objectives



Sl. No.	PI	Role
1.	<p>Dr. M.V.S.S.T. Subba Rao Professor Cellular and Molecular Biology, Centre of Excellence in Molecular Biology and Regenerative Medicine, Department of Biochemistry, JSS Medical College JSS AHER Mysore</p>	<p>Internal Members</p>
2.	<p>Dr. T.S. Sathyanarayana Rao Psychiatrist & Professor Mental & Sexual Health JSS Hospitals & JSS Medical College JSS AHER Mysore</p>	<p>Internal Member</p>
3.	<p>Dr SaravanaBabu C Professor Department of Pharmacology JSS College of Pharmacy, Mysore JSS AHER Mysore</p>	<p>Internal Member</p>
4.	<p>Dr Balamuralidhara V Associate Professor Department of Pharmaceutics JSS College of Pharmacy, Mysore JSS AHER Mysore</p>	<p>Internal Member</p>
5.	<p>Dr Asha Srinivasan Assistant Professor Cosmetic Science & Nanotechnology School of Lifesciences, Mysore</p>	<p>Internal Member</p>

6.	<p>Dr Shweatha H.E Assistant Professor Department of Food,Nutrition & Dietetics(FND) School of Lifesciences, Mysore JSS AHER Mysore</p>	<p>Internal Members</p>
7.	<p>Dr Archer Ann Catherine Assistant Professor Department of Microbiology School of Lifesciences, Mysore JSS AHER Mysore</p>	<p>Internal Member</p>
8.	<p>Dr Vadiraj KT Assistant Professor Department of Environmental Sciences School of Lifesciences, Mysore JSS AHER Mysore</p>	<p>Internal Member</p>
9.	<p>Dr. Mamatha S Professor &HOD Department of Obstetrics & Gynaecology JSS Medical College JSS AHER Mysore</p>	<p>Internal Member</p>
10.	<p>Dr Lakshmi Nagendra Associate Professor Department of Endocrinology JSS Medical College JSS AHER</p>	<p>Internal Member</p>

11.	<p>Dr Nabha Srinivas Shreyas MBBS, MD Dermatologist & CEO SKINPARTNERTM Vinobha Road, Shivaramapete, Mysore-01 Karnataka, India</p>	<p>External Members</p>
12.	<p>Dr Vijay Avin Assistant Professor Centre for Lung and Vascular Biology, College of Medicine, University of Illinois, Chicago, Illinois USA.</p>	<p>External Member</p>
13.	<p>Dr Pradeepa K Assistant Professor Department of PG Studies & Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga - 577203</p>	<p>External Member</p>
14.	<p>Dr Varunakumara JB Assistant Professor & HOD DOS in Biochemistry, Sahyadri Science College, Kuvempu University, Shivamogga - 577203</p>	<p>External Member</p>

Objectives

The short term and long-term goals will be to identify,

Long Term Goals (LTG)

1. To establish State-of-Art Female Reproductive Endocrinology Research & Care Centre with training and academic facilities.
2. To establish pre-clinical and clinical Bio-specimen repository for molecular PCOS research studies.
3. To develop a forum for the research & discussion of PCOS and female reproductive disorders issues across all the identified core areas and promote collaborative works.
4. To facilitate the exchange of ideas and collaborative interdisciplinary research in female reproductive health across genomics, epigenomics & proteomics.

Short Term Goals (STG)

1. To initiate priority area of research across the identified core areas.
2. To develop research models for PCOS research.
3. To apply for funding agency for research grants.
4. To Conduct National/International Collaborative research meetings/conferences/workshops/Symposiums/Webinars/Expert Talks/ Awareness programmes.

Outcomes

- a. Identification of gene expression pattern of the molecules participating in Hypothalamus-Pituitary-Gonadal Axis (HPG axis).
- b. Development of PCOS biospecimens.
- c. Establishment of reproductive endocrinology research forum & State-of-Art Female Reproductive Endocrinology Research & Care Centre.
- d. Trained manpower.

Activities Conducted

1. The first meeting of SIG – Reproductive Neuroendocrinology Research was scheduled on 24-08-2024 via online mode in Google. We will meet to discuss the plan of action of the SIG.
2. The respective members put forth the agendas/ideas/suggestions and the minutes of the meeting was updated.

Future Plans

1. To conduct an invited talk about PCOS.
2. To conduct outreach programs in identified rural areas.
3. To sensitize NSS and general public about PCOS and related female reproductive dysfunctions.
4. To conduct a one-day seminar symposium on Reproductive neuroendocrinology at JSS AHER.
5. To submit collaborative research projects.
6. To develop proof-of-concepts into patents and commercial product development.
7. To carry forward the molecular studies of pre-clinical samples.

Need for the formation of SIG-RNR

Reproductive health indices have been reported to be declining globally during the past five to six decades, particularly in industrialized and affluent nations. The World Health Organization (WHO) reporting up to 80 million women worldwide having been affected by the infertility with a prevalence of ~50% of all women in developing countries. Hence, the depth of the molecular lacunae underlying female infertility has to be explored across HPA-HPG axis in PCOS/female reproductive dysfunctional model systems reflecting the necessity of the problem to be attained across multi-disciplinary field experts.

Conclusion

The new SIG has been constituted recently and the respective seed-money has been sanctioned on 27-06-2024 ref.no. JSS AHER/REG/RES/SIG/RNR/682/2024-25 to carry out the respective activities.

The academics and research components discussed in SIG meeting under future plans will be initiated at the earliest in collaboration with internal and external members.