

Post-doctoral Fellow

A Post-doctoral position is immediately available to join the **Indra laboratory** in a Department of Defense (DOD) funded project to investigate *the role of CYP11A1 derived novel vitamin D metabolites to regulate melanocyte homeostasis and prevent UVB induced melanomagenesis in vivo*. The successful candidate will work in a multi-cultural and all-inclusive research environment in the Department of Pharmaceutical Sciences, College of Pharmacy at the Oregon State University in Corvallis, Oregon, USA.

We are looking for a self-driven and highly motivated candidate within 1-2 yrs after PhD, who possess a strong ability to lead a collaborative research project, with capabilities to work both independently and as a team. The candidate is expected to have strong work ethics and great interpersonal skills.

Required qualification:

1. Experience in Cell culture, cloning, transfections/transductions, gene editing and other cell based assays.
2. Expertise in molecular techniques such as western blot, IP/co-IP, IHC and ICC, northern blot, RT-qPCR, CHIP and PLA assay.
3. Experience with small laboratory animals (e.g. mice or rats), including colony maintenance, blood collections, IV or s.c. injections and necropsy.
4. Excellent skills to manage data/results and maintain lab notebook (hard copy and electronic version).
5. Experience in handling computer software e.g. Microsoft office, Adobe Creative Suite, EndNote, Biorender etc.

Preferred qualification:

1. Background in immunology, skin and melanoma biology, cell signaling.
2. Experience with multi-omics approach (transcriptomics, proteomics, metabolomics).
3. Skills in Bioinformatics and statistics (e.g. ImageJ, R, Python, GraphPad Prism).
4. Experience in high throughput screen of bioactive natural products and small molecules.
5. Skills in Flow cytometry including sorting and multiparameter FACS analysis.

Interested candidates should contact Dr. Arup K. Indra arup.indra@oregonstate.edu and refer to "postdoc application"

To apply: Please send a single PDF with a cover letter, your CV/resume with complete list of publications and names with contact emails/addresses of three referees.

OSU values a diverse and culturally competent workforce and commits to an inclusive excellence by advancing equity and diversity in all that we do. Individuals with diverse backgrounds and those who promote diversity and a culture of inclusion are encouraged to apply. To request reasonable accommodation, contact the Affirmative Action and Equal Opportunity Access (EOA) at 541-737-3556 or equal.opportunity@oregonstate.edu

Application Deadline: Applications will be accepted until suitable candidate is identified.