

Department Name:	Radiation Oncology		
Job Title:	Research Postdoctoral Scientist		
Oracle Title:	RONC CHINNP 91306 CHINNAIYAN BENCH PROGRAM RC - RESEARCH RC:91306		
Home RC #	08-91306	Charge Salary to RC #	
Pay Grade	EP01	Posting #	30059654

Work Hours 8:00 AM – 4:30 PM; hours may vary as needed Days Monday - Friday

Weekends As Needed

Status: Exempt

The purpose of the Research Postdoctoral Scientist position is to enhance professional skills under the mentorship of a principal investigator/scientist/professor. The incumbent plans and conducts assigned and/or original research projects autonomously while working collaboratively with faculty, staff, post docs, and students. The Research Postdoctoral Scientist will primarily work on LC/GC-MS flux-based metabolism experiments centered on glioma metabolism.

Responsibilities: The Research Postdoctoral Trainee will further research in basic and medical sciences, while completing postdoctoral training.

- Coordinate and participate in research projects within the Research Department, assist in grant proposal preparation and publication of findings.
- Conduct clinical and/or translational research projects under PI's supervision.
- Participate in preparation of abstracts, manuscripts, presentations, and final reports for studies. Analyze data. Document research results.
- Write Research papers and present findings at departmental meetings and research conferences. Participate in scientific discussions with research team.
- Educate and train research personnel (research assistants, residents, fellows, students). Conduct LC/GC-MS based flux analysis to study intermediary metabolism of glucose, lipids, tryptophan and cysteine in glioblastoma model systems.
- Conduct lipidomic based studies on post-mortem brain tissue using GC-MS.
- Carry out routine administrative tasks associated with the research project/s to ensure that project/s are completed on time and within budget.
- These might include organization of project meetings and documentation, financial control, risk assessment of research activities.
- Plan own day-to day activity within framework of the agreed research program.
- Plan up to a year in advance to meet deadlines for journal publications and to prepare presentations and papers for conferences. Other duties as assigned.

ACKNOWLEDGEMENT OF EMPLOYMENT UNDER RESEARCH GRANT

Required Qualifications:

PhD, MD or DO required.

- Basic laboratory research experience required.
- In depth understanding of flux based metabolomics.
- Ability to maintain a GC-MS (Agilent).
- Ability to perform a variety of laboratory procedures.
- Scientific methodology, mathematical ability, technical writing skills, computer skills (word processing, presentation software, database management).
- Interpersonal skills. Strong organizational skills and attention to detail.
- Knowledge and application of experimental techniques related to department specific research.
- Ability to meet deadlines.

Preferred Qualifications:

- Degree in a relevant Life Sciences subject (e.g. Biology, Biochemistry, and Biomedical Sciences) or a relevant Chemistry subject.
- At least 3 years research experience involving GC-MS based flux analyses.
- Knowledge of multivariate statistical software packages (e.g. SIMCA, MATLAB, R etc.).
- In depth understanding of flux based metabolomics.

For further information please contact Dr. Stewart Graham via email @ stewart.graham@beaumont.org

To apply online please visit Careers at Beaumont Health System, Posting Reference # **30059654**
<http://www.beaumont.edu/careers/>