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Q1 Faculty Information:

Last name:	Bhandari
First name:	Vineet
Faculty Position:	Professor
Department:	Pediatrics (Neonatology)
Institution:	DUCOM/HUH/St. Christopher's Hospital for Children
Phone:	215-762-7595; 215-427-5202
Email Address:	vineet.bhandari@drexelmed.edu

Q2 Type of Research?

Basic Science ,
Research
Other (please
specify):
Opportunities to participate in clinical/translation research in
NICU-related topics are also available.

Q3 Please describe your research interests:

Hyperoxia-induced injury to the developing lung
Bronchopulmonary dysplasia
Pulmonary hypertension
Stem cells in the brain and lung

Medical Student Research Opportunities

Q4 Please provide a brief description of research opportunity/project(s):

1) Title of project(s):	Role of miRNA in BPD
Brief Description:	Delivery of miRNA inhibitors to improve the lung phenotype of mouse BPD
Duration:	2 years
Time commitment:	Flexible
Specific Requirements:	Knowledge/Willing to learn molecular biology techniques
Funded or unfunded (yes or no):	Yes
2) Title of project(s):	Role of stem cells in the brain and lung
Brief Description:	Using mouse models to study role of stem cells in recovery after hyperoxia-induced injury
Duration:	2 years
Time commitment:	Flexible
Specific Requirements:	Knowledge/Willing to learn immunohistochemistry techniques
Funded or unfunded (yes or no);	Yes

Q5 Please indicate the specific level of experience required, if applicable:

Open to all medical students
