# Novel Resuscitation Techniques during Neonatal Resuscitation

**PROJECT DESCRIPTION**

The project will examine novel techniques to improve the life for newborn infants requiring resuscitation. Up to 26 million babies will require resuscitation annually around the world. Our research focuses on improving the care provided during resuscitation. The project has several different avenues which are actively pursued by our research group. Students with computer programming skills are welcomed to apply to work in our computer game and mobile app developing group. Medical students are welcomed to apply to work in our basic science or clinical setting to gain experience in these research areas. We are also inviting MSc-Students to apply to gain knowledge on basic science research, gene expression (e.g. mRNA), and biochemical analysis (e.g. ELISA).

**FACULTY-DEPARTMENT**

Medicine- Pediatrics

**DESIRED FIELD OF (STUDENT) STUDY**

The project will vary depending on the student’s skills. For example, a medical student will be more involved in animal experiments for delivery room resuscitation research, while students with computer programming skills would work more on the technical skill site (programming) of the project.

**INTERNSHIP LOCATION**

University of Alberta Main Campus - Edmonton

**NUMBER OF INTERNSHIP POSITIONS**

1-2

**INTERNSHIP START DATE**

January 2, but flexible

**INTERNSHIP END DATE**

12 weeks from the selected date

Contact: Brendan Cavanagh, Internship Coordinator (Inbound)
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ARE THE DATES FLEXIBLE?  
Yes