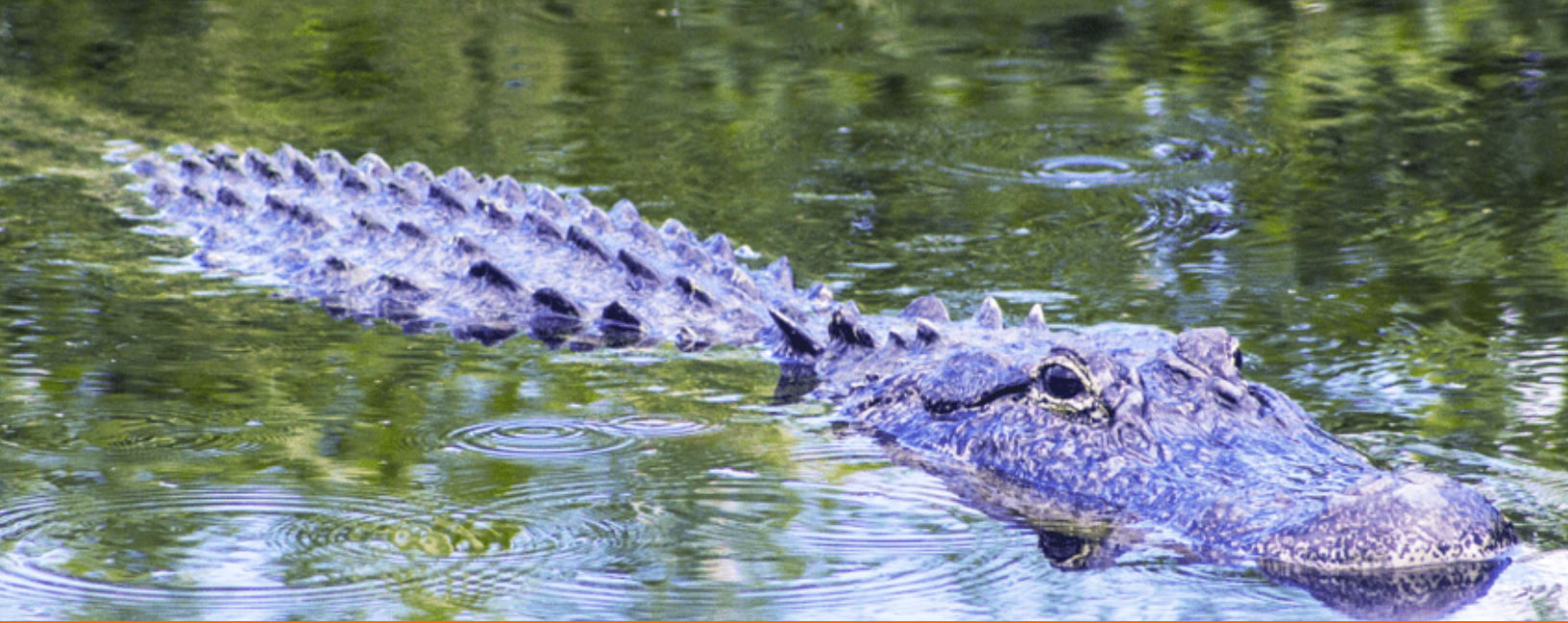




UF BME Senior Design Projects



THANK YOU!

Industry Partners



Clinical Partners



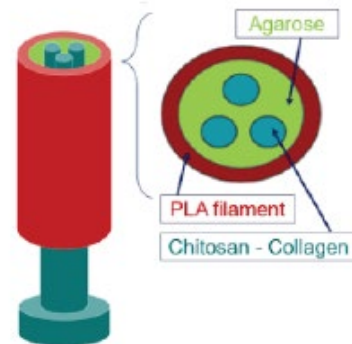
Team:



Students:

*Anaika Alezi
Chetan Dhulipalla
Jordan Grotz
Yazeed Ismail
Gantt Meredith
Asheleigh Mowery
Alexis Navarroza
Guo Qian*

Peripheral Nerve Scaffold with 3D Printing



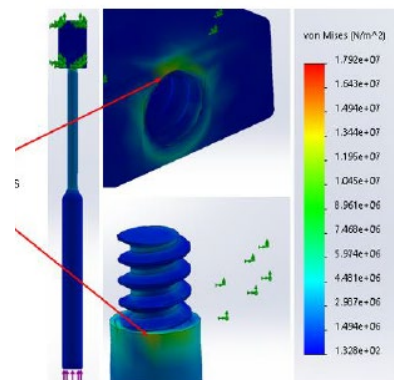
Team:



Students:

*Thomas Barrett
Samantha Gibson
Cheima Hicheri
Jacob Bloom
Sara Scharf
Tri-Kien Vu*

Redesigning Osteotomy Tools for Ambulatory Surgical Centers



Team:

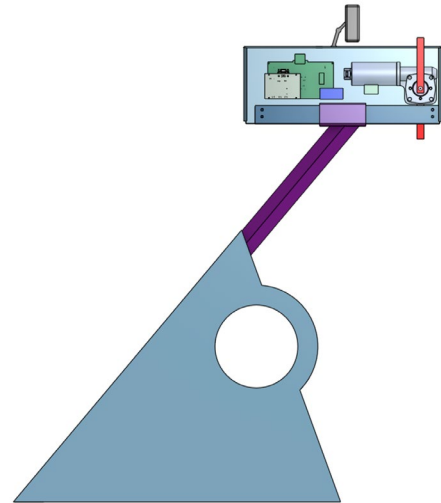
**THE
A-TEAM**

Students:

*Breanna Ausec
Joseph Ficarrotta
Evan Carrigan
Nicolas Kunigk
Tristin Dailey
Hunter Ramsay
Max Rozenblum
Colin Smith*

An Exercise Cycle For Paralyzed People

MY^{OLYN}



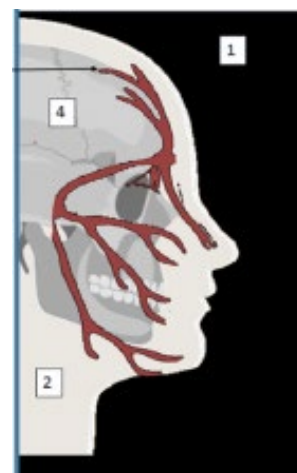
Team:

The Softies

Students:

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Kevin Bauer
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Brecca Miller
Samuel Martocci
Ashley Norris
Alexia Poulos
Dewarren Richardson*

Developing a Cranio-maxillofacial Model that Includes Soft Tissue



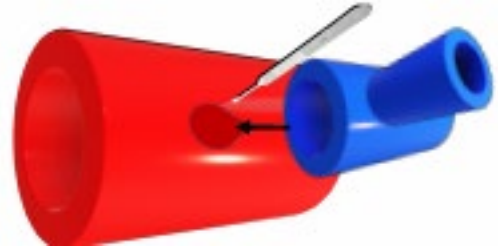
Team:



Students:

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Jessica Hornyak
Samantha Betters
Alex Kahn
Jonathan Charles
Deepti Singam
Carlos Lezcano*

Surgical Anastomosis via 3D Printed Implant and Surgical Adhesive



Advanced Medical Solutions Group plc

Team:



Students:

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John Blackman
Trystan Drew
Christian Gozzo
Jacob Jenkins
Jonathan Lopez
Jamie Maignan
Garret Rittenhouse*

μ ProGraft: Skin Tissue Harvesting Device



INTEGRA[®]
LIMIT UNCERTAINTY

Team:

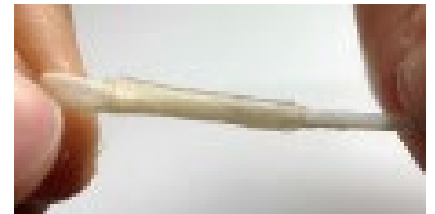
ALAFLAIR

Students:

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Guillermo Escalona
John McNamee
Sydni Middaugh
James-Bond Nguyen
Jacob Stephens*

Alginate Wrap for Nerve Regeneration

alafair
BIOSCIENCES



Team:

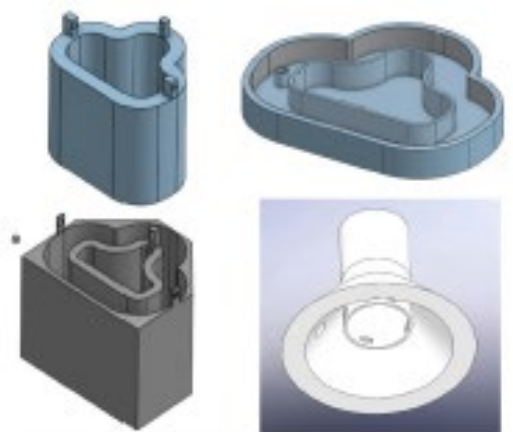
ACTIVAIR

Students:

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Erika Bishop
Valentina Garcia
Yasameen Joulaee
Nicolas Lopez
Yasniary Morales
Taylor Tripodi
Amanda Won*

An Inflatable System for Residual Limb Patients

 **Hanger**
CLINIC
Empowering Human Potential



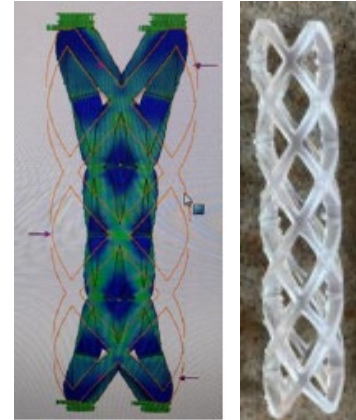
Team:



Students:

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Madison Cydis
Tran Ngo
Elisa Nieves*

Integrated Radially Adjustable Endotracheal Tube



Dr. Joshua Sappenfield and Dr. Nicholas Maldonado, *UF College of Medicine*

Team:



Students:

*Rene Respicio
Brenna Rowland
Alaina McCumber
Rayner Bacal
Fiona Cheung
Nicole Veit
Abigail Ziegler*

Donor Surgical Guides in Cases of Severe Osteoarthritis



Dr. Adam Biedrzycki, *UF College of Veterinary Medicine*

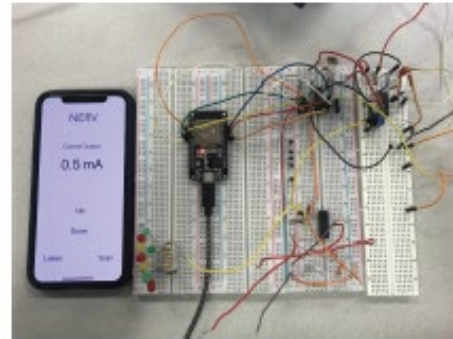
Team:



Students:

*Alex Adolphson
Tyler Kriznar
Zachary Boogaart
Christian Garcia
Juan Leon
Stephen Michel
Sana Nimer
Brandon Reid*

Voice-Controlled Nerve Stimulator Optimizes Nerve Block Procedures



Dr. Nikolaus Gravenstein and Dr. Yury Zasimovich, *UF College of Medicine*

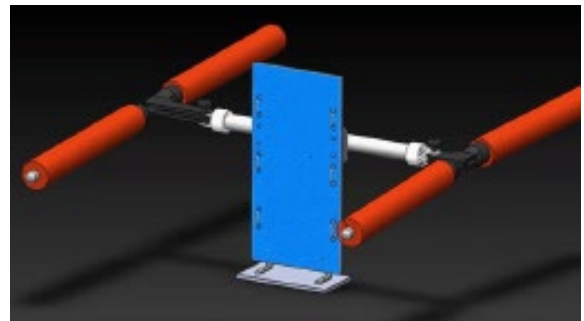
Team:



Students:

*Juan Ayala
Brenda Burke
Kevin Ling
Mark Maynes
Leena Pramanik
Jonathan Ptak
Cooper Rickerson
Daniela Valero*

Aquatic Flotation Device for Pediatric Physical Therapy



Lourdes Mengelkoch, *UF Health Magnolia Parke Pediatric Therapy Center*

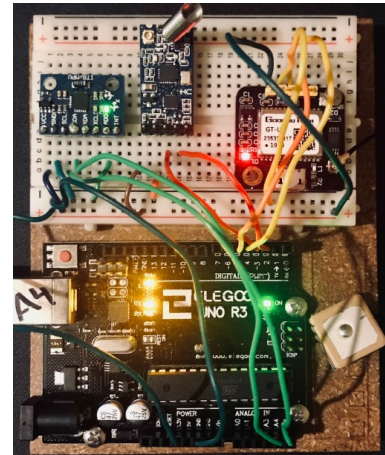
Team:



Students:

*Raffae Ahmad
Ryan Jacobs
Youngseop Lee
Victor Lopez
Catalina Maureira
Justin McCauley
Christie Nguyen
Sydney Shriver*

The Tipping Cow: Real-time Labor Prediction for Beef Cattle



Dr. Owen Rae, College of Veterinary Medicine

Teaching Team

Dr. Eric Fuller (*Course Co-Director*)

Dr. Lee Murfee (*Course Co-Director*)

Ismael “Tito” Arroyo (*Course Instructor*)

Mary Kasper (*Supervised Teaching Instructor*)

Kalyn Kearney (*Supervised Teaching Instructor*)

Robert Accolla (*Supervised Teaching Instructor*)

Savannah Dewberry (*Supervised Teaching Instructor*)

