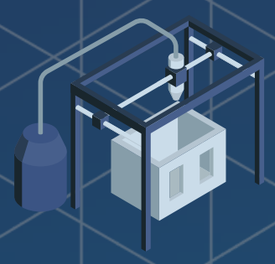
LOADING

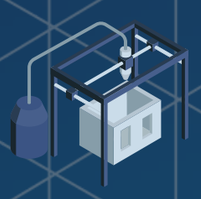
3D PRINTING

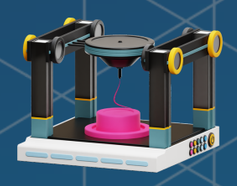
INITIATING

PIXELS TO PATIENTS

EXECUTING







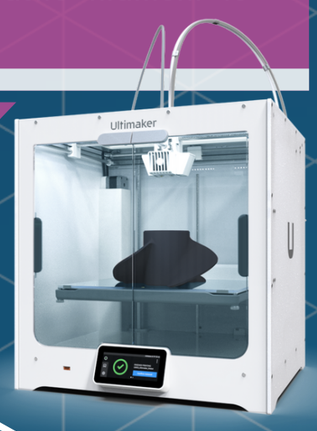
WANT TO 3D PRINT WITH US?

Contact **Dr. Roland Remenyi,** Head of the Biomedical Research Unit: **rgremenyi@themedicalcity.com.** You may also contact CTRI: **ctri@themedicalcity.com, 8988-1000 local 7834**. The Biomedical Research Unit is situated at the Lower Ground, Nursing Tower, TMC.

3D printing has the power to revolutionize the way we learn, research, and manage patients. The Biomedical Research Unit is home to The Medical City's state-of-the art 3D printing facility. Learn about how this futuristic technology has impacted The Medical City community below!

SPOTLIGHT: ULTIMAKER S5

An extrusion printer that uses plastic filament to print 3D objects **layer by layer!**



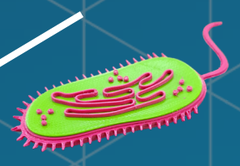
PRINT

PROCESS

PROCESS

APPLICATIONS

LEISURE



MEDICAL

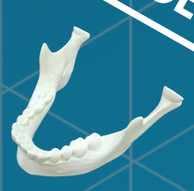
RESEARCH

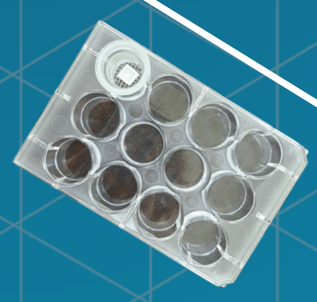
SPOTLIGHT: FORMLABS FORM 3

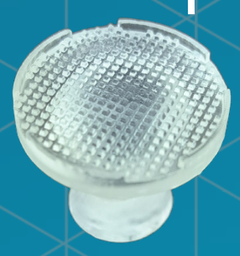
A stereolithography (SLA) printer that uses **light** to carve fine details into resin, which is cured into a hard plastic by the **Form Cure.** The **Form 3B** can print surgical guide resin which is **biocompatible**!

LEARNING

SURGERY



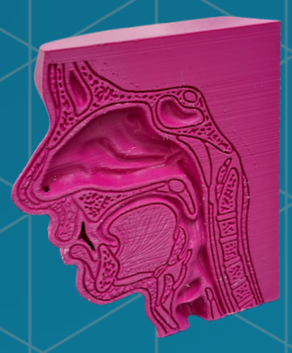




THE MEDICAL CITY
DEPARTMENT OF EMERGENCY MEDICINE

We regularly use the 3D-printed model every month for our swab training. It is helpful for our trainees in visualizing the anatomy of the nasopharynx, making the teaching-learning activity **more interactive.**

Dr. Ma. Lourdes Concepcion Jimenez
Chair
Department of Emergency Medicine



3D printing can enable us to make **customized, patient-specific molds** for **cranial implants.**

Dr. Roland Remenyi
Head
Biomedical Research Unit

THE MEDICAL CITY
INSTITUTE OF THE NEUROLOGICAL SCIENCES

At the Acute Stroke Unit, **nothing beats having a 3D printed Circle of Willis, where we can see, touch, and feel the parts of the vascular structure,** giving us a better picture of where a patient's stroke has occurred. Thank you BRU Labs team for elevating our standards of learning!

Dr. Kimberly Geronimo
Vascular Neurology Fellow
Institute of the Neurological Sciences

Clinical and Translational Research Institute
BIOMEDICAL RESEARCH UNIT

The **3D printed spheroid mold** allows us to make wells in the micrometer range to form liver cell spheroids. **3D printing has allowed us to quickly perform our experiments** and modify the mold based on our needs.

Isabel Crisostomo
Researcher
Biomedical Research Unit