

New series of presentations at the Ars Electronica Center

Anatomy for All

(Linz, March 4, 2014) Anatomy for All is the theme of a new series at the Ars Electronica Center. State-of-the-art imaging procedures like functional magnetic resonance imaging (fMRI) now deliver amazing insights into what goes on inside the human body. Presentations in Deep Space, workshops, speeches and exhibits will elaborate on human anatomy: the lungs, abdominal region, the heart & circulatory system, the muscles & skeleton, and neurosurgery. The series' unique approach to the complex makeup of the human body will also include expert commentary by staff physicians from hospitals in Linz and Upper Austria. Anatomy for All kicks off at Deep Space LIVE this Thursday, March 6th and continues during Science Days the following weekend, Saturday & Sunday, March 8-9.

Deep Space LIVE: Anatomy for All. Everything you always wanted to know about your brain / Thursday, March 6, 2014, 8 PM & Saturday, March 8, 2014, 2 PM

At Deep Space LIVE on Thursday and Saturday, Dr. Franz Fellner, head of the Radiology Department at Linz General Hospital, will give an introduction to the anatomy of the brain and explain, among other things, why physical exercise can improve the brain's efficiency and what people can do to prevent the onset of dementia. Dr. Michael Malek, head of the Department of Oral & Maxillo-Facial Surgery at Linz General Hospital, will then talk about the new technologies that are now being employed in maxillary surgery.

3-D Printing in Maxillary Surgery / Saturday & Sunday, March 8-9, 2014, 10 AM-6 PM

Dr. Malek will use the 3-D printer in the Ars Electronica Center's FabLab to turn out models of jawbones. This technology makes it possible to produce exact replicas of body parts in order to better understand the anatomy of the human body. Visitors can inspect the jawbone models produced by the 3-D printer and get acquainted with the technology behind it.

fMRI Workstation / Saturday & Sunday, March 8-9, 2014 / 1-5 PM

Functional magnetic resonance imaging (fMRI) is a procedure that can not only generate highly detailed three-dimensional cross-section images of the structure of human tissue and organs, but also depict the activity of the brain. During Science Days, two Linz General Hospital staffers will be on hand to explain how this works and answer visitors' questions.

Special Tour: Come Closer! When Technology Approaches Our Body / Saturday & Sunday, March 8-9, 2014 / 3:30-4:30 PM

A special tour entitled "Come Closer! When Technology Approaches Our Body" will provide visitors with a close-up look at the "New Views of Humankind" permanent exhibition,

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acquaint them with a whole array of imaging and diagnostic procedures such as microscopy, MRI and DNA analysis, and demonstrate how the brain can remote-control electronic devices and how high-tech prostheses now blend right into the human body.

Ars Electronica Center: <http://www.aec.at/news/en/>

Radiology at Linz General Hospital (in German): <http://www.linz.at/akh/439.asp>

Oral & Maxilo-Facial Surgery at Linz General Hospital (in German): <http://www.linz.at/akh/971.asp>

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