S4L

Sim4Life for Students – Computational Life Sciences in the Cloud

zurich med tech

MADE SWISS

Sim4Life.lite

Sim4Life.lite is a revolutionary online simulation platform for directly analyzing biological real-world phenomena and complex technical devices in a validated biological and anatomical environment. Sim4Life.lite allows students to easily access, run and share simulations in the cloud from any browser. It offers the same features as the desktop version but is more flexible, maintenance-free and even easier to use. Most importantly, Sim4Life.lite is free-of-charge, and it does not require powerful in-house computational resources as it can rely on scalable cloud-computing infrastructure.

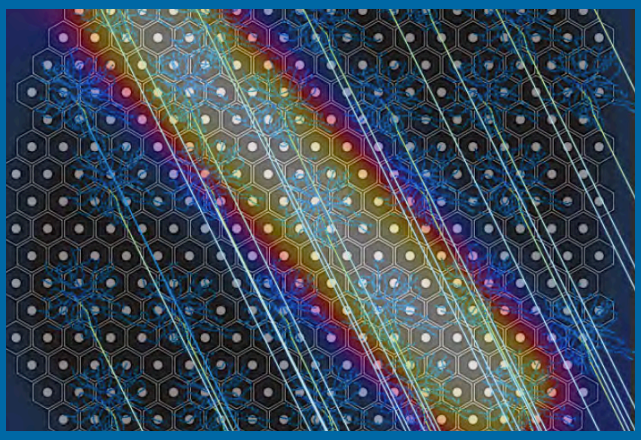
Sim4Life.lite Student Competition 2024

Access, run, and share your simulations in the cloud! ZMT invites you to submit your modeling project to the "Sim4Life.lite Student Competition 2024".

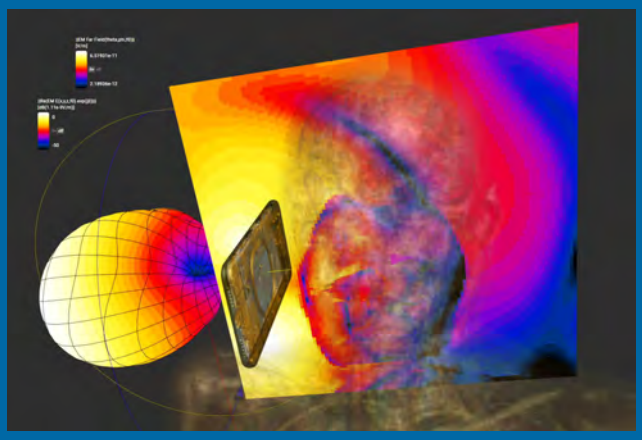
Request access to Sim4Life.lite

Specifications

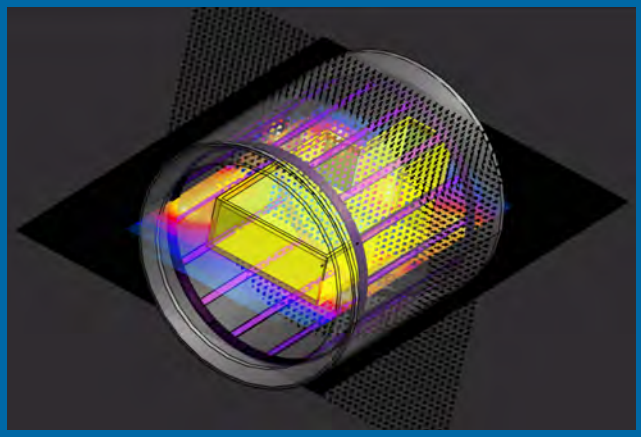
Platform	online
Application	self-directed study
Number of Objects	unlimited
Grid Size	max. 20 Mio cells
Solvers	EM-FDTD, EM-QS, Thermal, Neuro, Acoustic
GPU Acceleration	no
ViP Human Models	Yoon-sun
Python	yes
3rd-Party Tools	no
Pricing	free of charge



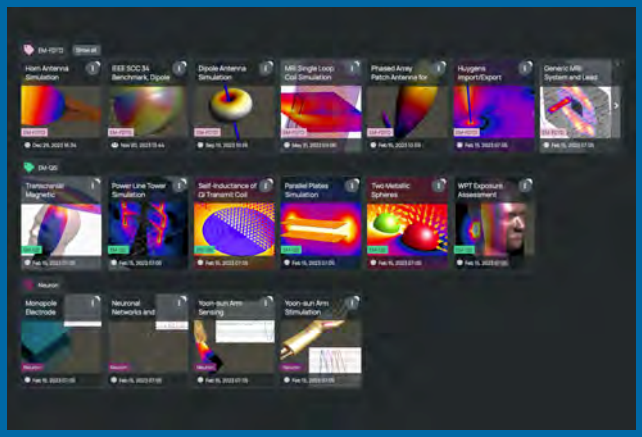
Investigation of the stimulation pattern of a retinal multi-contact implant (PRIMA) and its mechanisms using Sim4Life.lite. This project is awarded first prize in Sim4Life.lite Student Competition 2023



The full-wave 3D electromagnetics solver can be used to simulate complex devices and evaluate SAR or power density exposure on human models; for example in the case of a mobile phone's Bluetooth or 5G antenna



Powering efficient workflows based on coupled EM-Huygens & Thermal simulations, Sim4Life.lite offers an easy and fast way to assess compliance according to the latest ASTM standards



Sim4Life.lite offers students a convenient and accessible simulation experience, accessible from any device and location. With a wealth of tutorials and simulation projects readily available, students can learn and explore at their own pace. Collaboration is also made easy with the ability to share projects with classmates and teachers

zurich med tech

WWW.SIM4LIFE.SWISS

zmt zurich medtech ag · zeughausstrasse 43, 8004 zurich, switzerland · phone +41–44–245–9765
info@zmt.swiss · www.zmt.swiss

ZMT is a member of