S4L

Sim4Life for Students – Computational Life Sciences in the Cloud

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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

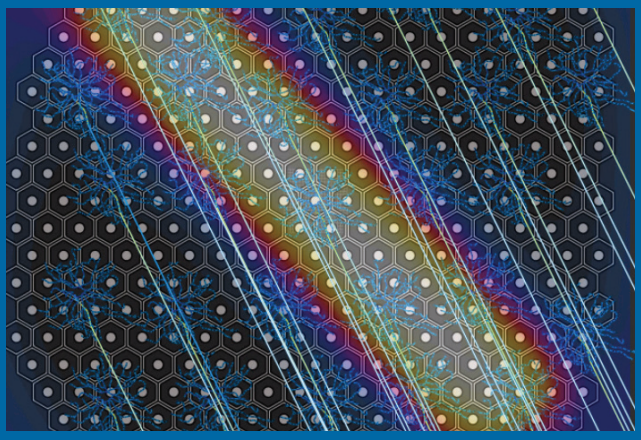
Take your research to the next level by submitting your published scientific paper or abstract to the Sim4Life Student Competition for a chance to win one of three attractive prizes!

Request access to Sim4Life.lite

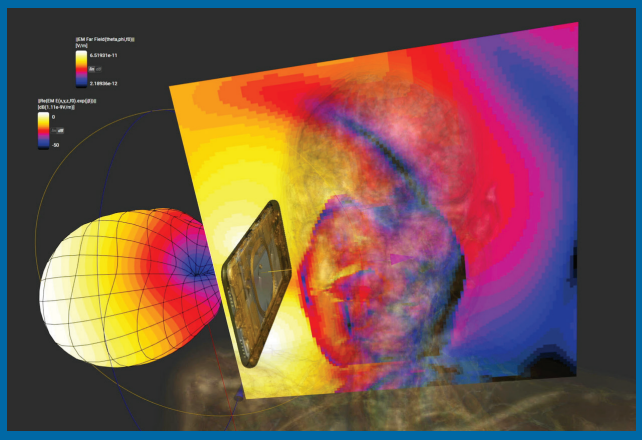
Specifications

Platform	online
Application	self-directed study education/teaching
Number of Solids	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
License Duration	unlimited
Pricing	free of charge

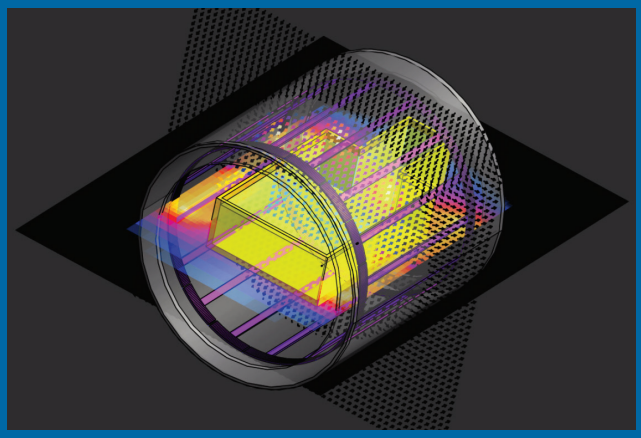
* www.itis.swiss/virtual-population



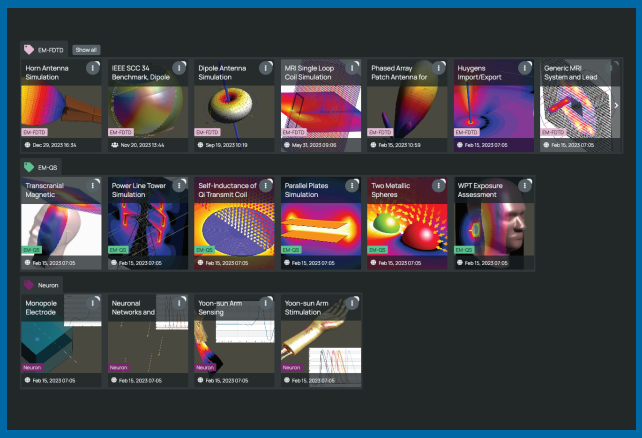
Investigation of the stimulation pattern of a retinal multi-contact implant (PRIMA) and its mechanisms using Sim4Life.lite. This project is awarded first prize in Sim4Life.lite Student Competition 2023.



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, available on any device and from any location. It provides tutorials, projects for self-paced learning, and easy collaboration through project sharing with classmates and teachers.

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