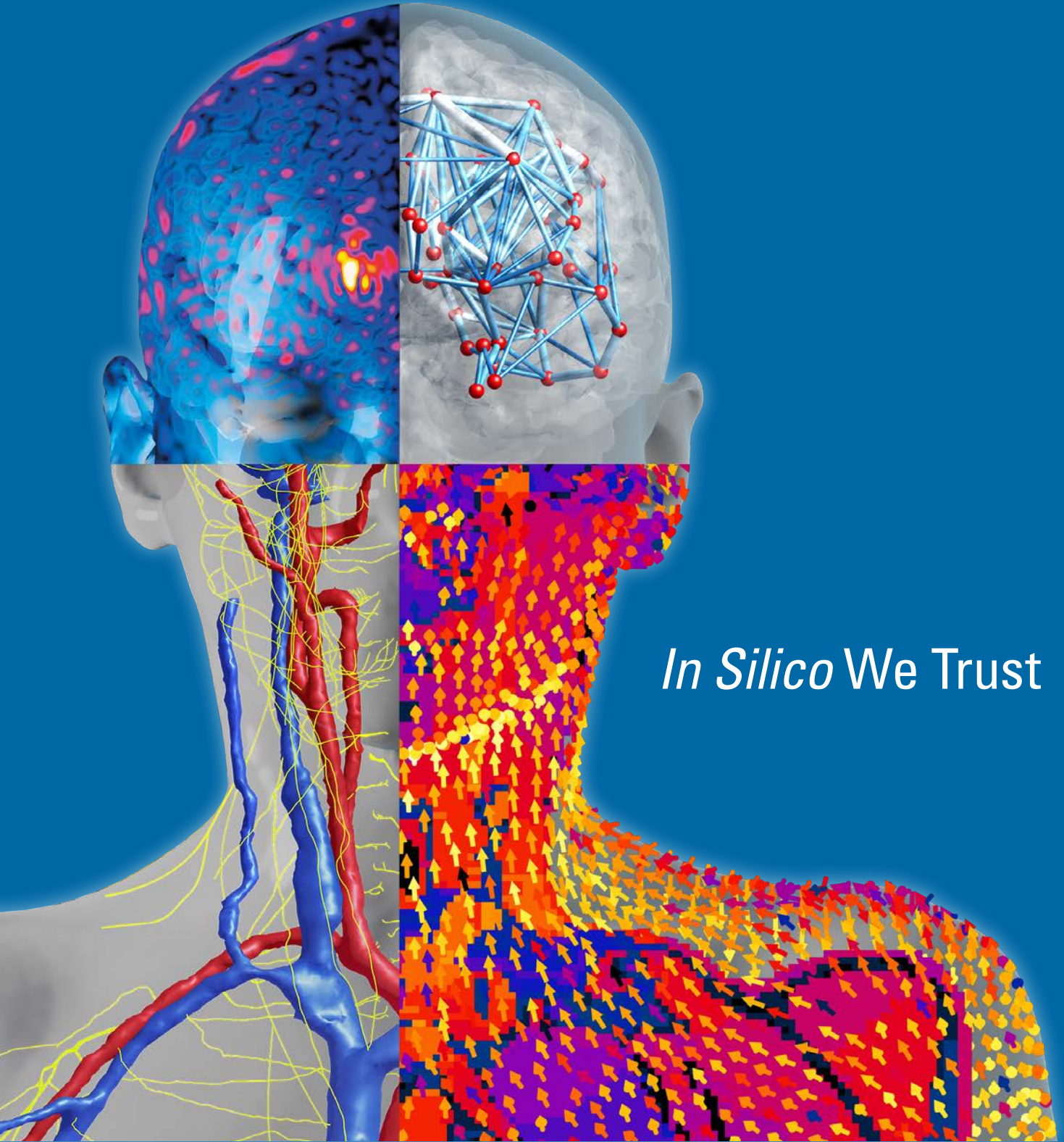


Sim4Life

On the Desktop

Now Also Natively in the Cloud



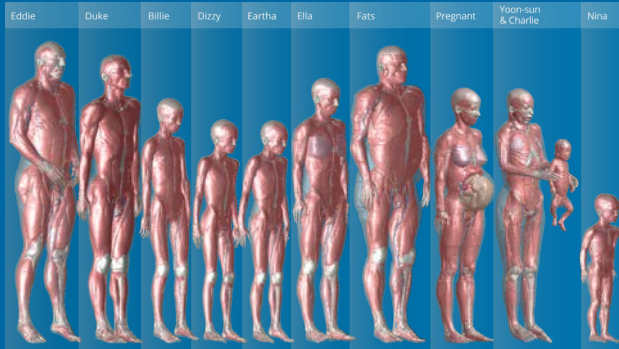
In Silico We Trust

Sim4Life

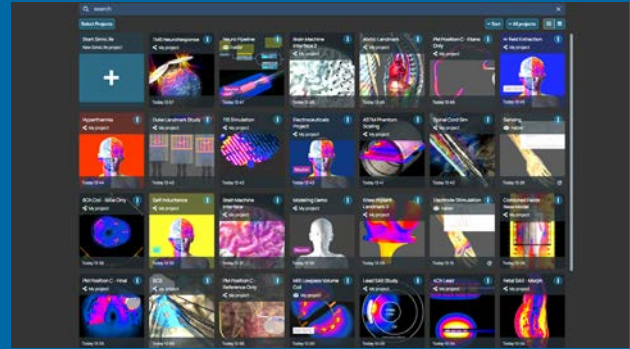
Sim4Life integrates physics solvers with the most detailed functionalized human and animal computational models and the latest tissue models. It is the tool for designing and analyzing devices interfacing with the human body, including

- device design (over-the-air performance, communication links, electrical safety, etc.)
- anatomy dependency across all age groups, from newborns to the elderly (handheld and body-mounted devices, radiofrequency implants, etc.)
- physiological responses for optimization of effectiveness and safety (neurostimulation ultrasound, thermal, flow, etc.)

The desktop and web versions are identical twins, ensuring seamless compatibility, exceptional responsiveness, and a unified user experience. Users can effortlessly switch between the two platforms for an uninterrupted and smooth workflow. Sign up from our new website sim4life.swiss and start using the web version immediately.



Sim4Life integrates the Virtual Population (ViP), the gold standard of computational human models.



Sim4Life.web can be conveniently accessed from any device, anywhere and at any time.

Sim4Life Lite – Student Version

Students can access, run, and share cloud-based simulations from any browser at no cost. The web version provides the same features as the desktop version but offers greater flexibility, is maintenance-free, and even easier to use. For more information, please contact s4l-sales@zmt.swiss.

Sim4Life Platform

Computational Models	Physics Models	Tissue Models	GUI and Workflow	Selection of Licensed Modules
ViP 4.0 Virtual Population Human Models	P-EM-FDTD Electromagnetics Full Wave Solvers	T-NEURO Neuronal Tissue Models	MODELER Advanced Modeling Tool Set	MRI IMANALYTICS M-MUSAIK M-TxCOIL M-BCAGE M-SYSSIM M-GRAD M-IMSAFE
ViZoo 1.0 Virtual Zoo Animal Models	P-EM-OS Quasi-Static Electromagnetics Solvers	T-CEM43 Tissue Damage Models	MESHER Robust & Effective Meshing	MODELING M-ISEG M-REMESH
3rd-Party Models	P-THERMAL Thermodynamics Solvers		POSER Physics-based Realistic Posing	CALCULATORS M-DISPFIT M-PPCALC
	P-FLOW Fluid Dynamics Solvers		SWEEPER Fully Configurable Parameter Sweeps	TOOLBOX M-MATCH M-MIMO M-5G
	P-ACOUSTICS Acoustics Solvers		ANALYZER Versatile Postprocessor and Analyzing Tool Set	IMPORT M-HUYGENS M-IMG M-VOX
			PYTHON Control via Python Scripting	OPTIMIZER Multi-Parameter Multi-Goal Optimizer