



Summer School on Neurology and AI Fusion

The Summer School of Minds
27–31 May 2026, Sokobanja, Serbia

Explore cutting-edge topics including:

- AI in healthcare and neurological practice
- Large Language Models in medicine
- Clinical reasoning and neurodiagnostics
- Multi-modal AI and future innovations



ChatMED



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Program

Day	Time	Session	Content
Wednesday 27.May.2026	13:00-14:00	Arrival and registration	Participant arrival, registration, informal welcome
	14:00-15:30	Opening session	Welcome by FMN, keynote by JSI, overview of aims, logistics, expectations
	15:30-15:45	Break	
	15:45-17:00	Orientation and team formation	Participant introductions, ice-breaker activity, formation of interdisciplinary micro-teams, initial brainstorming of project ideas
Thursday 28.May.2026	10:00-12:30	Computer Science meets neurology, Session I	Approach to neurologic symptoms and neurological examination Clinical reasoning in neurology; localization problems (“Where is the lesion?”) Differential diagnosis reasoning
	12:30-14:00	Lunch break	
	14:00-16:30	Computer science meets neurology, Session II	Neurodiagnostic tools in neurology: neuroimaging, neurophysiology, CSF and intracranial pressure, neuropsychology, body fluid analysis and genetics Case-based discussion on appropriate use and interpretation of diagnostic tests
Friday 29.May.2026	10:00-11:10	Computer science meets neurology, Session III	Common neurological disorders: cerebrovascular diseases, epilepsy, headache Case-based clinical-anatomical reasoning and treatment planning
	12:30-14:00	Lunch break	
	14:00-16:30	Computer science meets neurology, Session IV	Common neurological disorders: dementia, movement disorders Case-based clinical-anatomical reasoning and treatment planning
Saturday 30.May.2026	10:00-11:10	AI in Healthcare, Session I What does this mean for the doctor?	What are the concrete changes in daily clinical work? What should and should not expect from current AI/LLM systems? How to interact with AI as a clinical collaborator? What do AI-augmented clinical reports look like?
	11:10-11:25	Break	
	11:25- 12:30	AI in Healthcare, Session II Data and regulation: why must the clinician care?	Data quality, provenance, and representativeness Patient data responsibilities The EU AI Act for medical AI MDR and AI-as-medical-device Liability and accountability
	12:30-14:00	Lunch break	
	14:00-15:15	AI in Healthcare, Session III ChatMED in vivo: The first live demonstration of the project interface!	What does ChatMED set out to do? What the interface solves clinically? Real cases run end-to-end through the interface Participants try it themselves on prepared scenarios Discussion and feedback collection
	15:15-15:30	Break	
	15:30-16:30	Project refinement workshop	Mentor-guided teamwork, one-on-one feedback, refinement and finalization of project demonstrations
Sunday 31.May.2026	10:00-11:15	Team presentations	Presentation/demonstration of LLM-in-neurology projects by participant teams
	11:15-11:40	Expert feedback and outlook	Q&A with senior researchers, panel discussion on next steps, collaboration, publication opportunities, further data collection
	11:40-12:00	Closing session	Awards and recognition, closing remarks