

Merck and Intel – Academic Research Program in Europe

Project	Institution	Location
An integrated molecular dynamics and deep learning framework for multi-modal materials data	Chalmers University of Technology	Gottenburg, Sweden
Discovery of novel memristor materials by artificial intelligence	NOMAD Laboratory at the Fritz-Haber-Institute of the Max-Planck-Gesellschaft IRIS Adlershof of the Humboldt-University	Berlin, Germany
Enhancing plasma etching efficiency, repeatability, and environmental footprint via AI-based modelling and optimization (plasmAI)	National Technical University of Athens Institute of Nanoscience and Nanotechnology at the National Centre for Scientific Research „Demokritos“ University of Patras	Athens/Patras, Greece
Turning online atomic-scale processing database into AI-ready tools for development of new sustainable materials and fabrication processes	Eindhoven University of Technology University of Warwick L3S Research Center at Leibniz University of Hannover	Eindhoven, The Netherlands Coventry, UK Hannover, Germany
MatAssit: Agentic Material and Process Design	Friedrich Schiller University	Jena, Germany
Large language models targeting PFAS semiconductor manufacturing waste	Laboratory of Artificial Chemical Intelligence at EPFL (École polytechnique fédérale de Lausanne)	Lausanne, Switzerland

