>ionida

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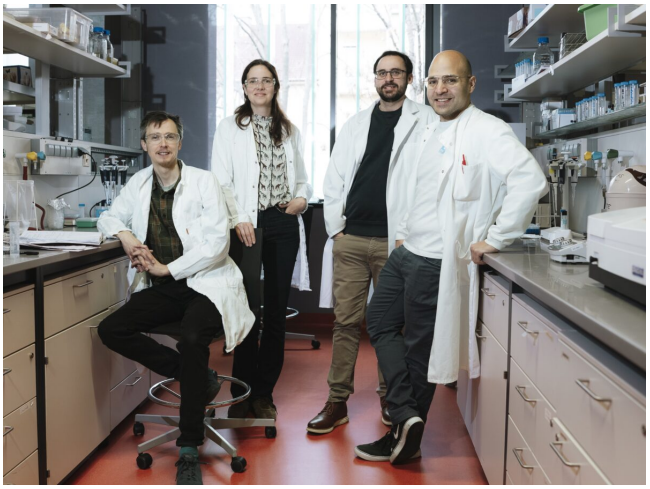
WITH PFAS-FREE, NON-TOXIC MEMBRANES FOR FUEL CELLS AND THE HYDROGEN ECONOMY, WE ARE COMBINING HIGH EFFICIENCY AND LONG-LASTING DURABILITY WITH A CLEANER ENVIRONMENTAL FOOTPRINT.

At ionida we are developing next-generation membranes for fuel cells and electrolysers. Our goal is to make membranes free from toxic and highly persistent “forever chemicals”, while enhancing performance and lifetime. Today’s high-performing fuel cell membranes often rely on Per- and Polyfluorinated Alkyl Substances (PFAS)-based materials, highly problematic materials that persist in the environment and cause health concerns across the whole ecosystem. Our membranes are built from cleaner starting materials, to reduce toxicity and long-term environmental impact.

Beyond sustainability, our membranes are engineered to handle more demanding operating conditions: dryer and hotter environments which are required for the next generation of fuel cells and electrolysers. Increasing robustness also translates into longer service life in real devices, helping reduce replacement needs and improving overall system reliability. In short, we enable the hydrogen sector to move towards greener materials with lower costs.



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