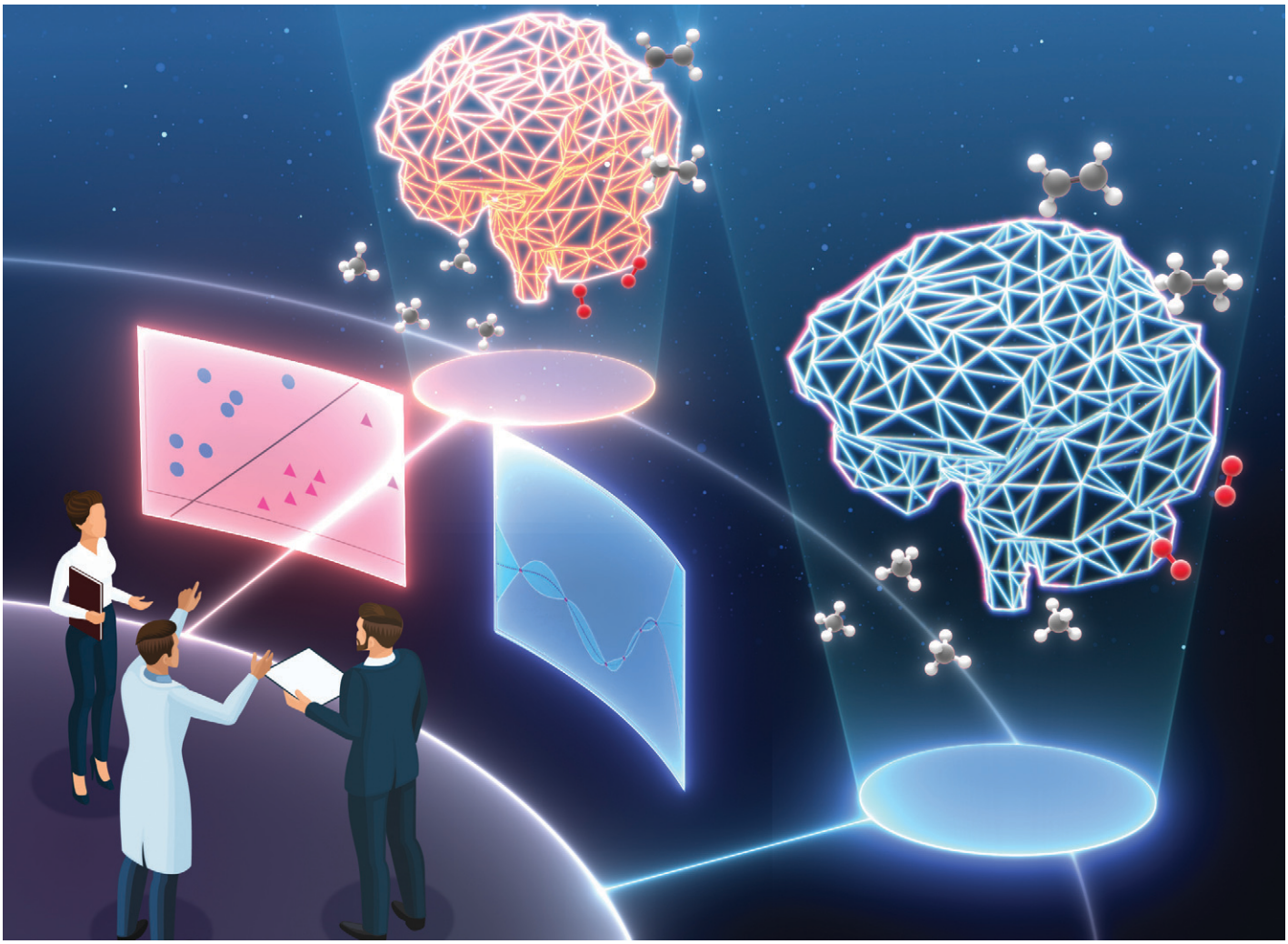

Showcasing research from Dr. Nishimura's laboratory, Graduate School of Advanced Science and Technology, Japan Advanced Institute of Science and Technology (JAIST), Nomi, Japan.

Leveraging machine learning engineering to uncover insights into heterogeneous catalyst design for oxidative coupling of methane

Support vector regression and Bayesian optimization techniques were implemented for literature data-driven catalyst designs for the oxidative coupling of methane to clarify future challenging subjects for machine learning-assisted catalyst investigation.

Image credit: Art Action Inc., Takahiro Tamura

As featured in:

See Shun Nishimura, Keisuke Takahashi *et al.*, *Catal. Sci. Technol.*, 2023, **13**, 4646.

ROYAL SOCIETY OF CHEMISTRY

rsc.li/catalysis

Registered charity number: 207890