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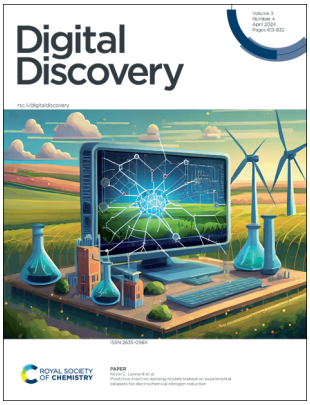
ISSN 2635-098X CODEN DDIIAI 3(4) 613–832 (2024)

Cover
See Bojana Ranković, Philippe Schwaller *et al.*, pp. 654–666. Image reproduced by permission of Bojana Ranković from *Digital Discovery*, 2024, **3**, 654. Image created using Adobe Firefly.



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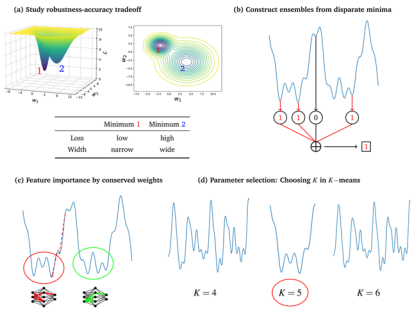
See Kevin C. Leonard *et al.*, pp. 667–673. Image reproduced by permission of Kevin C. Leonard from *Digital Discovery*, 2024, **3**, 667. Image created using Adobe Firefly.

PERSPECTIVE

TUTORIAL REVIEW



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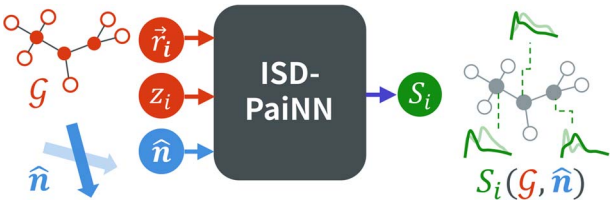

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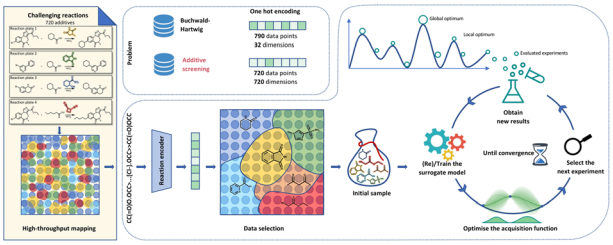

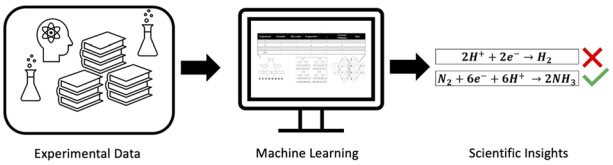

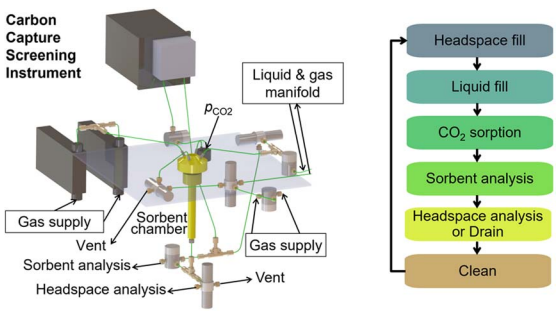

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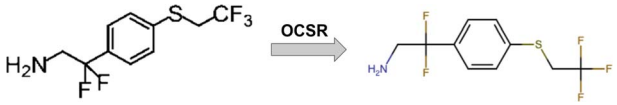

Comparing software tools for optical chemical structure recognition

Aleksei Krasnov,* Shadrack J. Barnabas, Timo Boehme, Stephen K. Boyer and Lutz Weber*

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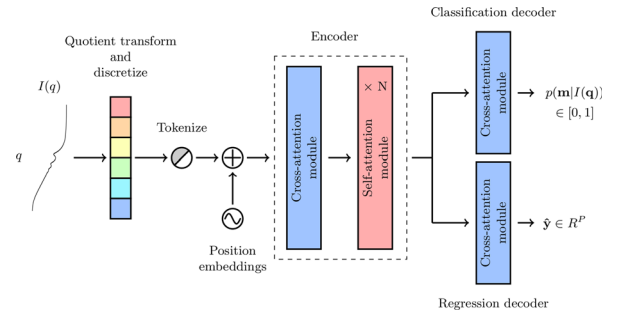

Multi-task scattering-model classification and parameter regression of nanostructures from small-angle scattering data

Batuhan Yildirim, James Doutch and Jacqueline M. Cole*

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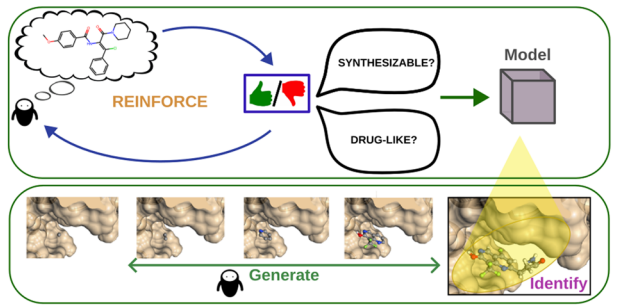

SPOTLIGHT: structure-based prediction and optimization tool for ligand generation on hard-to-drug targets – combining deep reinforcement learning with physics-based *de novo* drug design

Venkata Sai Sreyas Adury and Arnab Mukherjee*

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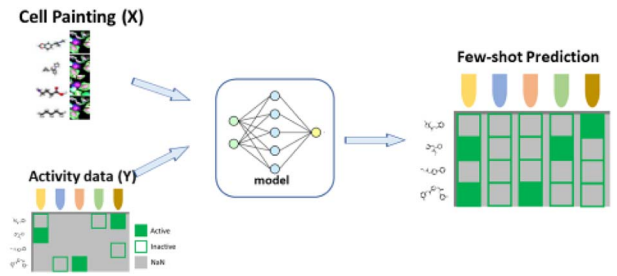

FSL-CP: a benchmark for small molecule activity few-shot prediction using cell microscopy images

Son V. Ha, Lucas Leuschner and Paul Czodrowski*

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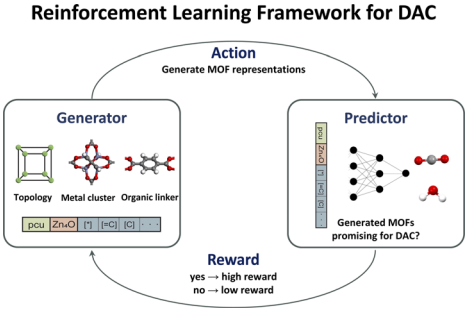

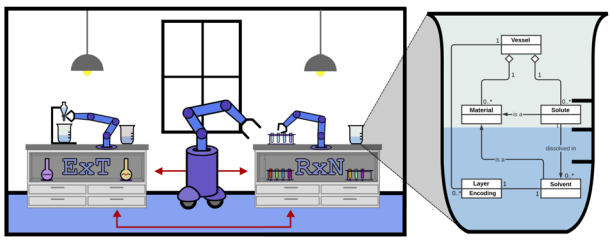

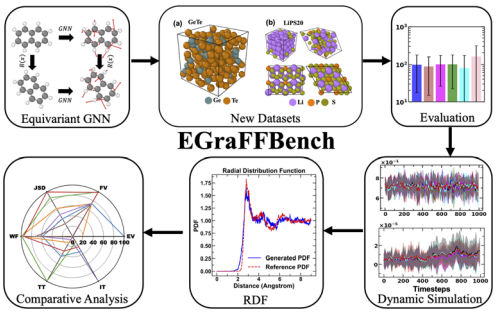

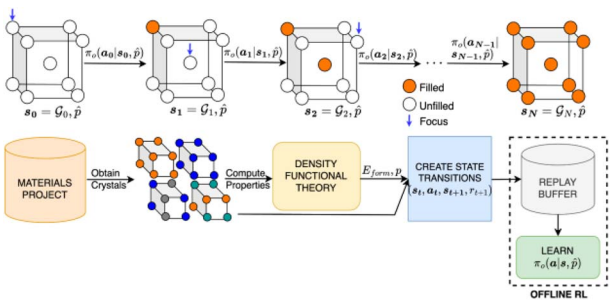

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