



**Programme
Transverse DATA**

Hall 2 - Université Dauphine PSL

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Mercredi 15 mai 2024	
<p>Agueci Leonardo ENS – PSL <i>Laboratoire de Neurosciences Cognitives & Computationnelles (LNC2)</i></p>	<p>Correcting cortical output: a distributed learning framework for motor adaptation</p>
<p>Alfonso-Ramos Javier Chimie ParisTech – PSL <i>Institute of Chemistry for Life and Health Sciences</i></p>	<p>Repurposing Quantum Chemical Descriptor Datasets for on-the-Fly Generation of Informative Reaction Representations: Application to Hydrogen Atom Transfer Reactions</p>
<p>Anton Olaia ENS – PSL <i>Laboratoire Pasteur</i></p>	<p>A Neural Network Potential Approach for the study of Phosphodiester Bond Reactivity</p>
<p>Basso Della Mea Guilherme Mines Paris – PSL <i>Centre de Morphologie Mathématique</i></p>	<p>Generative AI for Composite Material Microstructures</p>
<p>Bastico Matteo Mines Paris – PSL <i>Centre de Morphologie Mathématique</i></p>	<p>Coupled Laplacian Eigenmaps for Locally-Aware 3D Rigid Point Cloud Matching</p>
<p>Braikia Houria Dauphine-PSL <i>LAMSADE</i></p>	<p>Advancing Water Quality Analysis through Machine Learning and Environmental DNA Metabarcoding</p>
<p>Calvanese Francesco ESPCI – PSL <i>Laboratory of Physics & Evolution (LBE)</i></p>	<p>Exploration of Self-Reproducing RNAs and Experiments-driven Enhancement of Biomolecular Generative Models</p>
<p>Captier Nicolas Curie – PSL <i>Laboratoire d'Imagerie Translationnelle en Oncologie (LITO)</i></p>	<p>Machine learning for integrating imaging, pathological and omics data to predict immunotherapy response in lung cancer</p>
<p>Caron Olivier Dauphine-PSL <i>Dauphine Recherches en Management (DRM)</i></p>	<p>The diffusion of NLP methods in marketing research: a systematic analysis</p>

De Moreau Simon Mines Paris – PSL <i>Centre of Robotics</i>	Enhancing Nighttime Depth Estimation Using High-Definition Headlights
Du Ché Stanislas Dauphine -PSL <i>CEREMADE</i>	Private Bayesian Hierarchical Model for Federated Learning
Han Yinglei Dauphine-PSL <i>LAMSADE</i>	Corporate Honorum. Massive Data Analysis of Careers in the Corporations
Kalfon Jérémie ENS – PSL <i>Machine Learning for Integrative Genomics Group</i>	scPrint: Towards an explainable scRNAseq foundational model for gene network inference
Kasmi Gabriel Mines Paris – PSL <i>Centre Observation Impact Energie</i>	Enhancing the reliability of deep learning algorithms to improve the observability of French rooftop photovoltaic installations
Lagesse Adrien ENS – PSL	Benchmarking Graph Neural Networks with the Quadratic Assignment Problem
Legrand Guillemette ENSAD-PSL <i>EnsadLab</i>	Climate Cosmograms
Liu Jing ENS-PSL	Do language models need exponentially more data than infants: Probing word-form acquisition
Mtibaa Amal Mines Paris – PSL <i>Centre de Mathématiques Appliquées</i>	Fault detection and diagnosis in real-world industrial refrigeration systems: a case study on refrigerant leak detection using machine learning
Oriol Benoit Dauphine-PSL <i>CEREMADE</i>	Covariance estimation in a dynamic high dimensional setting: a shrinkage point of view
Quaglia Giulio Observatoire de Paris - PSL	Artificial Intelligence at the Service of Space Astrometry: A New Way to Explore the Solar System
Raugel Joséphine ENS-PSL <i>Laboratoire de Sciences Cognitives</i>	Decoding of hierarchical Inference in the human brain during speech processing with Natural Language Models
Van Tongeren Mats ESPCI - PSL	Advancing Protein Engineering through Directed Evolution: Innovations, Challenges, and Progress
Zhang Boxue Chimie ParisTech - PSL	Advancements in Enhancing the Performance of Inverted Perovskite Solar Cells: A Breakthrough Approach
Zhang Lucy ENS-PSL <i>Laboratoire des systèmes perceptifs</i>	Decoding hierarchical representations of language production during typing