Saturday Posters

S1: Dirichlet Process Reinforcement Learning, Teodor Mihai Moldovan*; Michael Jordan; Pieter Abbeel
S2: Learning from the value of your mistakes: evidence for risk-sensitivity in movement adaptation, Alaa Ahmed*
S3: A Bayesian model for a Pavlovian-instrumental transfer hypothesis, Emilio Cartoni*; Francesco Mannella; Stefano Puglisi-Allegra; Gianluca Baldassarre
S4: A stochastic control model for planning of goal directed behavior, Hilbert Kap Benn*; Joris Bierkens
S5: Changing decision criteria in sequential decision making, Gaurav Malhotra*; David Leslie; Rafael Bogacz
S6: A seven parameter mixture model that describes steady-stage rooted behavior on a two-armed bandit task nearly as well as it can be described: Applications to orbitofrontal cortex inactivations, Kevin Miller*; Jeffery Erlich; Charles Koepe; Matthew Botvinick; Carlos Brody
S7: Predicting Human Navigation Behavior via Inverse Reinforcement Learning, Henrik Kretzschmar*; Markus Kuderer; Wolfram Burgard
S8: Preparing for risk: dopamine regulates learning in C. elegans, Adam Calhoun*; Tatiana Sharpee; Sreekant Chalasani
S9: Temporal discounting with time-sensitivity, Haewon Yoon*; Gretchen Chapman
S10: Influence of Inherent Prior Values in Decision-Making, Sam Chiu*
S11: Modulation of instrumental action by socioemotional reflexes: evidence from posturography, Verena Ly*; Quentin Huys; John Stins; Karin Roelofs; Roshan Coolen
S12: Using Equilibrium Policy Estimators for Spatiotemporal Planning, Mark Crowley*
S13: Reward-guided decisions are affected by episodic cues, Aaron Bornstein*; Mel Khaw; Nathaniel Daw
S14: Better things to do: opportunity cost may contribute to cognitive depletion effects, Y-Lan Boureau*; Nathaniel Daw
S15: A normative theory of approach-avoidance conflicts during dynamic foraging in humans, Arthur Guez*; Ritwik Niyogi; Dominik Bach; Marc Guitart-Masip; Raymond Dolan; Peter Dayan
S16: Decoding future state representations during planning, Zeb Kurth-Nelson*; Will Penny; Quentin Huys; Marc Guitart-Masip; Anna Jafarpour; Demis Hassabis; Gareth Barnes; Raymond Dolan; Peter Dayan
S17: Neural Responses to Negative Outcomes and Decisions to Persist or Give up on a Goal, Jamil Bhanji*; Megan Speer; Mauricio Delgado
S18: Dread and the Disvalue of Future Pain, Giles Story*; Ivo Vlaev; Ben Seymour; Joel Winston; Ara Darzi; Raymond Dolan
S19: Inverse Reinforcement Learning for Analysis of Human Behaviors, Eiji Uchibe*; Shoko Ota; Kenji Doya
S20: Motor patterns impose priors on abstract rule structure representations, Anne Collins*; Michael Frank
S21: Human learning in non-Markovian decision making, Johannes Friedrich*
S22: CAPI Generalized Classiﬁcation-based Approximate Policy Iteration, Aar-Jaamouss-Farahnadan*; Doina Precup; André Barreto; Mohammad Gharavandad
S23: Activity of Anterior and Posterior Cingulate Cortex During an Adaptive Learning Task, Yin Li*; Matt Nasser; Joshua Gold
S24: Collecting reward to defend homeostasis: A homeostatic reinforcement learning model, Mehdi Keramati*; Boris Gutkin
S25: Testing a hyperbolic decay model of preference for risky options, Donald Hantula*
S26: Trial-based Heuristic Tree Search for Finite Horizon MDPs, Thomas Keller*; Malte Helmer
S27: Dopamine agonist injection in the nucleus accumbens increases cue-induced seeking by reducing the effects of satiety, Johann Du Hoffmann*
S28: Simultaneous Clustering on Representation Expansion for Learning Multimodal MDPs, Trevor Campbell*; Robert Klein; Alborz Geramifard; Jonathan How
S29: Discovering Computational Rationality: Eye Movements in the Distractor Ratio Task, Xiuli Chen*; Richard Lewis; Christopher Myers; Joseph Houpt; Andrew Howes
S30: The role of prefrontal cortex and basal ganglia in model-based and model-free reinforcement learning, Bruno Miranda*; Nishanth Malalasekera; Peter Dayan; Steven Kennerley
S31: Markov Chain Monte Carlo as a model of motor learning, Adrian Haith*; John Krakauer
S32: Online Value Function Improvement, Mitchell Bloch*; John Laird
S33: Solving for Best Responses in Extensive-Form Games using Reinforcement Learning Methods, Amy Greenwald; Jacui Li*; Eric Sodomka; Michael Littman
S35: Learned Myopic or Far-Sighted? Experience Shapes Human Temporal Horizon in Sequential Decisions, Hang Zhang*; Hyoseok Kim; Nathaniel Daw; Laurence Maloney
S36: Manipulating model-based and model-free control through neurostimulation of prefrontal cortex, Peter Smittenaar*; Thomas FitzGerald; George Prichard; Vincenzo Romeo; Nicholas Wright; Joern Diedrichsen; Raymond Dolan
S37: Hierarchical control over effortful behavior by anterior cingulate cortex, Clay Holroyd*; Samuel McClure
S38: Robot learning and control using EEG-based feedback signals, Inaki Iurreta; Jason Omedes; Luis Montesano*
S39: Learning and action valuation deﬁcits in Parkinson’s disease patients with impulse control disorders, Payam Piray*; Yashar Zeighami; Fariba Bahrami; Abeer Eissa; Doaa Hawed; Ahmed Moustafa
S40: A Reinforcement Learning Theory of Mood Instability, Eran Eldar*; Yael Niv
S41: Is model fitting necessary for model-based IJRI?, Robert Wilson*; Yael Niv
S42: Reinforcement learning and novelty seeking across the lifespan, Audrey Houillon*; Robert Lorenz; Tobias Gleich; Juergen Gallinat; Andreas Heinz; Klaus Obermayer
S43: Social Reinforcement For Collective Decision-Making Over Time, Marco Montes de Oca*
S44: Strategic Robot Learner for Interactive Goal-Bubbling: Active Choice Learning, Strategy Choices and Goals, Sao Mai Nguyen*; Pierre-Yves Oudeyer
S45: How learning to reach various goals by autonomous interaction with the environment: unification and comparison of exploration strategies, Clément Moulin-Frier*; Pierre-Yves Oudeyer
S46: Does the Striatum Store Separate Positive and Negative Action-Values?, Joshua Berke*; Robert Schmidt; Arif Hamid; Jeffrey Pettibone
S47: How instructed knowledge shapes aversive learning, Lauren Atlas*; Bradley Doll; Nathaniel Daw; Jian Li; Elizabeth Phelps
S48: Around Inverse Reinforcement Learning and Score-based Classiﬁcation, Matthieu Geist*; Edouard Klein; Bilal Piot; Yann Guermeur; Olivier Pietquin
S49: Temporal-Difference Learning to Assist Human Decision Making during the Control of an Artiﬁcial Limb, Ann Edwards; Alexandra Kearney; Michael Dawson; Richard Sutton; Patrick Pilarski*
S50: Efﬁcient Learning and Planning with Compressed Predictive States, William Hamilton*; Mahdi Milani Fard; Joelle Pineau
S51: Efﬁcient Learning of Mixed Observable Predictive State Representations, Sylvie Ong; Yuri Grinberg*; Joelle Pineau
S52: Approximate Policy Iteration with Demonstration Data, Beomjoon Kim; Amir-massoud Farahmand*; Joelle Pineau; Doina Precup
S53: Modeling active learning decisions during causal learning, Anna Coenen*; Todd Gureckis; Bob Rehder
S54: Modeling effects of intrinsic and extrinsic rewards on the competition between stratiﬁed learning systems, Joscha Boedecker*; Thomas Lampe; Martin Riedmiller
S55: (More) Efﬁcient Reinforcement Learning via Posterior Sampling, Yan Osband*; Daniel Russo; Benjamin Van Roy
S56: Multi-temporal learning dynamics and variability across mice, Eric Ballatherill*; Sui Poh Tee; christina Hrovat; Simon Rumpel
S57: Affecting Mechanisms of Reinforcement Learning in Social and Non-Social Decision-Making, Filippo Rossi*; Luke Chang; Ian Fasel; Mariell Bartlett; Alan Sanfey
S58: RL on Ritual: Modeling Learning in an iterated Trust Game, Peter Vavra*; Catalina Ratala; Sean Fallon; Marieke van der Schaaf; Niels ter Huurne; Roshan Coals; Alan Sanfey
S59: Stimulus detection and decision making via spike-based reinforcement learning, Giancarlo La Camera*; Robert Urbanzicz; Walter Senn
S60: Mind matters: Placebo enhances reward learning in Parkinson’s disease, Brita Schmidt*; Erin Braun; Tor Wagner; Daphna Shohamy
S61: Episodic memory interferes with reward learning and decreases striatal prediction errors, G Wimmer*; Erin Kendall Braun; Nathaniel Daw; Daphna Shohamy
S62: Scalable Incremental Learning for Multitask Reinforcement Learning, Shane Grifﬁth*; Kaushik Subramanian; Jonathan Scholz; Charles Isbell; Andrea Thomaz
S63: Taking Action for Others: Separable Contributions of Decision Strategy and Disposition, Michael Spezio*; Dirk Schuemann; Kevin Reimer; Warren Brown; Gregory Peterson; James Van Slyke; Steven Quartz; Jan Glascher
S64: Communicating with Unknown Teammates, Samuel Barrett*; Noa Agmon; Noam Hazon; Sarit Kraus; Peter Stone
S65: Online Learning in Markov Decision Processes with Changing Reward Sequences, Travis Dick; Andras György*; Csaba Szepesvari
S66: Assessing Structure Learning in Motor Tasks, Jonathan Berliner*; Matthew Botvinick; Jordan Taylor
S67: Policy Shaping with Reinforcement Learning, Shane Grifﬁth*; Kaushik Subramanian; Jonathan Scholz; Charles Isbell; Andrea Thomaz
S68: Decoding future state representations during planning, Zeb Kurth-Nelson*; Will Penny; Quentin Huys; Marc Guitart-Masip; Anna Jafarpour; Demis Hassabis; Gareth Barnes; Raymond Dolan; Peter Dayan
S69: Testing a hyperbolic decay model of preference for risky options, Donald Hantula*
S70: Does the Striatum Store Separate Positive and Negative Action-Values?, Joshua Berke*; Robert Schmidt; Arif Hamid; Jeffrey Pettibone
S71: Dopamine D2 Receptor Availability Associated with Probabilistic Reward Learning, Alaa Ahmed*