

Wednesday, 30 August 2023

8:30 - 10:00 Symposia

Room: Aphrodite Hall	Symposium 5: Time scales of visual processing: from neural dynamics to perception and cognition Chair: Arni Kristjánsson & David Pascucci	Symposium 6: Visual Word Recognition: Insights from Reading Deficits Chair: Heida Maria Sigurdardottir & Nuala Brady	Room: Adonis
8:35	Attentional guidance by learned associations <i>Joy Geng</i>	8:30	Opening Remarks, <i>Heida Maria Sigurdardottir</i>
8:50	A role for visual cortex in the priming of attentional selection <i>Jacob Westerberg</i>	8:35	Word, face, and object recognition in posterior stroke: Patterns of performance and underlying lesions <i>Randi Starrfelt</i>
9:05	The effect of ongoing phase activity on visual perception <i>Shen-Mou Hsu</i>	8:50	The role of visual shape processing in skilled reading <i>Alan C. Wong</i>
9:15	Identifying and managing multiple time scales in perception <i>Pascal Mamassian</i>	9:05	Dyslexia in Chinese word recognition - What do its (dis-) similarities with face-recognition tell us? <i>Ricky Tso</i>
9:20	How is probability represented over time? <i>Arni Kristjánsson</i>	9:20	Disrupted neural mechanisms of high-level vision and their role in reading problems <i>Heida Maria Sigurdardottir</i>
		9:35	Panel discussion, Q&A where audience can ask all speakers & Brief ending remarks by Heida Maria Sigurdardottir

10:00 - 11:00 Coffee Break

Poster Sessions 5: Time & Magnitude processing; Motion & Biological Motion; Consciousness

Time & Magnitude Processing Poster Session

Cognitive vs. visual responses to numeral representations of parity with EEG
Talia Retter, Lucas Eraßmy, Christine Schiltz

Number selective sensorimotor channels derived from individual differences
Giovanni Anobile, Irene Petrizzo, Roberto Arrighi, Daisy Paiardini, David Burr, Guido Marco Cicchini

The pupil reflects perceived numerosity after adaptation
Camilla Caponi, Elisa Castaldi, David Burr, Paola Binda

Computational and empirical for time's subjective expansion in temporal oddball paradigm using recurrent neural network
Rakesh Sengupta, Surampudi Bapiraju, Anindya Pattanayak

Do deviants in irrelevant sound sequence disrupt visually presented arithmetic task?
Yu Nakajima, Hiroshi Ashida

Investigating the neural correlates of numerosity adaptation through EEG single-trial decoding
Giacomo Ranieri, David Burr, Roberto Arrighi, Paolo A Grasso

What is the minimum duration for grouping to occur? The example of crowding
Martina Morea, Mauro Manassi, Michael Herzog

Can optical size manipulations improve time-to-contact estimation of accelerating vehicles?
Elisabeth Maria Wögerbauer, Marlene Wessels, Heiko Hecht

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Pre- and post-sensory effects on velocity judgements

Tómas Kristjánsson, Hanna Rakef Th. Barker, Anna Rúnarsdóttir, Arni Kristjánsson

Space & Time in Binocular Vision

Marzooq Yassin, Maria Lev, Uri Polat

The Effect of Time Pressure on Visual Search Strategies in Dual Search Tasks

Alejandro Javier Cambrón-Delgado, Sarah Jasmin Nachtnebel, Christof Körner, Iain D. Gilchrist, Margit Höfler

Time estimation during motor activity

Ottavia D'Agostino, Serena Castellotti, Maria Michela Del Viva

Trial-by-trial feedback fails to improve the consideration of acceleration in visual time-to-collision estimation

Marlene Wessels, Heiko Hecht, Thirsa Huisman, Daniel Oberfeld

The role of perceptual novelty in the temporal oddball effect

Akira Sarodo, Kentaro Yamamoto, Katsumi Watanabe

Perceptual processing speed depends on size, but not numerosity or objecthood

Carolin Hübner

The influence of scene violations and attention on timing

Ourania Tachmatzidou, Argiro Vatakis

The Role of Top-Down Attention in Shape from Shading

Joshua Matthews, Luke Earnshaw, Debra Mills, Ayelet Sapir

Motion & Biological Motion Perception Poster Session

Voluntary eyelid movements facilitate perceptual alternation of bistable apparent motion

Ryoya Sato, Eiji Kimura

Are you walking in my direction? Brain responses to different directions of motion – an fNIRS study with point-light walkers

Isabel C. Lisboa, Nelson Costa, Alfredo F. Pereira

The experience of attractiveness, health and youthfulness of the female body: Effects of femininity of body shape and gait

Slobodan Markovic, Tara Bulut Allred

Neurodynamical model of dynamic bodily action recognition

Prerana Kumar, Nick Taubert, Rajani Raman, Anna Bognár, Ghazal G. Nejad, Rufin Vogels, Martin A. Giese

Long-Duration Exposure to Microgravity Does Not Affect Perceived Travel Distance

Ambika Bansal, Bjoern Joerges, Nils Bury, Meaghan McManus, Robert Allison, Michael Jenkin, Laurence Harris

The role of perceived naturalness and animacy in the visual pleasantness of a bouncing event

Giulia Parovel, Marco Bertamini, Michele Vicovaro

Electrophysiological responses of the movement-related tactile gating in blindness

Maria Casado-Palacios, Alessia Tonelli, Claudio Campus, Monica Gori

A new approach to the aperture problem in motion

Alan Johnston

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The effects of naturalistic backgrounds and movements on judgements of motion

Hollie Carter, Julie Harris, Justin Ales

To what extent do attention and retinal location affect the optokinetic response?

Kirsten Williams, Paul McGraw, Timothy Ledgeway, Denis Schluppeck

A hidden source of noise in techniques that yoke image motion to self-movement

Tom Freeman, Joshua Haynes, Maria Gallagher, John Culling

Magnocellular and parvocellular aport contribution for selective and sustained attention

Victoria Geraldi Menegon, Natália Máximo, Marcelo Costa

Perceived speed in the upper and lower visual fields

Hiroshi Ashida, Kanon Fujimoto

Perception of dynamic stimuli: Toward a new methodology for scotoma patients

Ahmet Burak Kurt, Alessia Tonelli, Nicola Domenici, Monica Gori

Bouncing ball tracking under different background settings can disentangle local and global motion processing

Andrew Isaac Meso, Antonia Massmann, Sara B Esmeraldo

High-speed motion informs object correspondence in the quartet motion paradigm

Melis Ince, Carolin Hübner, Martin Rolfs

The role of Frontal Eye Field pursuit generation in the perception of depth from motion parallax

Mark Nawrot, Jeffrey Johnson

Neural representations of observed interpersonal and person-object motion synchrony in the social perception network

Carl Bunce, Maria Tsantani, Daniel Yon, Richard Cook

Influence of visual patterns and optical flow on inverted pendulum balancing tasks

Kai Streiling, Loes van Dam

Reading acceleration training combined with multi-session parietal tACS enhances working memory and magnocellular-dorsal stream functionality in dyslexia

Denisa Adina Zamfira, Chiara Turri, Giuseppe Di Dona, Martina Battista, Giada Alessi, Giulia Stefanelli, Daniela Perani, Luca Ronconi

Consciousness Poster Session

Task/Paradigm influence on CFS performance

Weina Zhu, Haoxiang Liu, Jan Drewes

Metacognition of perceptual evidence accumulation in the first 50 milliseconds of viewing

Sascha Meyen, Madeleine Soukup, Volker H. Franz

Signal detection measures can (!) distinguish perceptual biases from response biases

Marianne Broecker, Paul Azzopardi

Transitions during binocular rivalry vary in appearance across stimulus types

Cemre Yilmaz, Laura Pabel, Elias Kerschenbauer, Anja Ischebeck, Alexandra Sipatchin, Andreas Bartels, Natalia Zaretskaya

Disentangling the contribution of conscious and unconscious processes to breaking continuous flash suppression

Tommaso Ciorli, Lorenzo Pia, Timo Stein

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Masking by four dots revisited: The role of mask related attention
Josephine Reuther, Uwe Mattler

Perception, Concept, Language - A new Approach to Connect Philosophy of Mind and Empirical Science
Helene Gunhild Schaefermeyer, Dana Gudrun Rottleb, Gregor Uwe Hayn-Leichsenring

Successor representations of subliminal dots
Jasper de Waard, Jan Theeuwes

Fair Masking Eliminates the Face Advantage in CFS
Jan Drewes, Qunjie Huang, Weina Zhu

11:00 - 13:00 **Talk Sessions 5: Multisensory; Oscillations & Cortical Processing**

Room: Aphrodite Hall	Multisensory Perception session Chair: Christopher Tyler	Oscillations & Cortical Processing Talk session Chair: Andrew Parker	Room: Adonis
11:00	Short-term Neural Changes during Learning of Visual-Manual Gestures: An fMRI and DTI Study <i>Sahal Alotaibi, Sophie Wuerger, Georg Meyer</i>	Alpha rhythms support coherent natural vision through feedback to early visual cortex <i>Lixiang Chen, Radoslaw Martin Cichy, Daniel Kaiser</i>	
11:15	Alpha-band audiovisual entrainment improves audiovisual temporal acuity <i>Gianluca Marsicano, Caterina Bertini, Luca Ronconi</i>	Pre-stimulus alpha speed dictates the precision of visual perception <i>Vincenzo Romei, Claudia Poch, Luca Tarasi</i>	
11:30	Context-dependency mechanisms in auditory distance estimation: the effect of blindness. <i>Alessia Tonelli, Carlo Mazzola, Alessandra Sciutti, Monica Gori</i>	The faster the better: alpha peak frequency is related to general visual performance <i>Maëlan Q. Menétrey, Michael H. Herzog, David Pascucci</i>	
11:45	Testing a Bayesian model of perceived visual and auditory speed during self-controlled head rotation <i>Joshua Haynes, Maria Gallagher, John Culling, Tom Freeman</i>	Predicting Binocular Rivalry Individual Differences from Resting MEG Aperiodic Alpha <i>Janine Mendola, Eric Mokri, Jason Da Silva Castenheira</i>	
12:00	Examining the automaticity of sound–shape correspondences <i>Yi-Chuan Chen, Pi-Chun Huang</i>	Contextual modulation of laminar BOLD profiles in V1 <i>Joseph Emerson, Karen Navarro, Cheryl Olman</i>	
12:15	tCFS: A new ‘CFS tracking’ paradigm reveals uniform suppression depth regardless of target complexity or salience <i>David Alais, Jacob Coorey, Randolph Blake, Matthew Davidson</i>	Discrete classes of neural activations for binocular disparity in human visual cortex <i>Andrew Parker, Ivan Alvarez, Alessandro Mancari, Betina Ip, Holly Bridge</i>	
12:30	Modeling Depth Cue Combination <i>Christopher Tyler</i>	Perceptography: unveiling visual perceptual hallucinations induced by optogenetic stimulation of the inferior temporal cortex. <i>Elia Shahbazi, Timothy Ma, Martin Pernus, Walter Scheirer, Arash Afraz</i>	
12:45		White matter tracts connecting ventral and dorsal visual streams have distinct microstructural profiles and developmental trajectories <i>Zoha Arif, Sophia Vinci-Booher, Franco Pestilli</i>	

13:00 - 14:30 **Lunch Break**

PROGRAMME



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14:30 - 16:00 Talk Sessions 6: Time & Magnitude processing; Motion & Biological Motion; Serial Dependence

Room: Aphrodite Hall	Time & Magnitude processing session Chair: Roberto Arrighi	Motion & Biological Motion session Chair: Eli Brenner	Room: Adonis	Serial Dependence Papers session Chair: David Whitney	Room: Zeus
14:30	Feature selective adaptation of numerosity perception <i>Roberto Arrighi, Camilla Caponi, Paolo Grasso, Elisa Castaldi</i>	Accelerating Visual Self-Motion is not Misperceived as Gravity when Judging Body Orientation on Earth or in Space <i>Bjoern Joerges, Nils Bury, Meaghan McManus, Ambika Bansal, Robert Allison, Michael Jenkin, Laurence R. Harris</i>		Pre-saccadic alpha power is predictive of serial dependence in orientation judgement. <i>Chiara Terzo, Giacomo Ranieri, Xinyu Xie, maria concetta morrone, David Burr</i>	
14:45	The symmetry-induced numerosity underestimation is attention-dependent <i>Paula A. Maldonado Moscoso, Giuseppe Maduli, Giovanni Anobile, Roberto Arrighi, Elisa Castaldi</i>	Tracking the dynamics of emerging neural representations via movement trajectories <i>Manuel Varlet, Genevieve Quek, Tijl Grootswagers, Roger Koenig-Robert</i>		Serial dependencies for external and self-produced stimuli <i>Sandra Tyralla, Clara Fritz, Eckart Zimmermann</i>	
15:00	Motor and visuomotor numerosity channels derived from individual differences <i>Irene Petrizzo, Giovanni Anobile, Roberto Arrighi, Guido Marco Cicchini, Daisy Paiardini, David Burr</i>	How unconscious retinotopic motion processing affects non-retinotopic motion perception <i>Michael Herzog, Marc Lauffs, Oh-Hyeon Choung, Haluk Ogmen</i>		Serial dependence in orientation perception in adults with autism spectrum disorder <i>Masaki Tsujita, Naoko Inada, Ayako H. Saneyoshi, Tomoe Hayakawa, Shin-ichiro Kumagaya</i>	
15:15	A Bayesian model for the estimation of the number of hidden objects <i>Alexander C. Schütz, Hui Men</i>	Can you learn not to respond to irrelevant motion while making fast arm movements? <i>Eli Brenner, Lara M de Jonge, Niels JJ Tiems, Jeroen BJ Smeets, Emily Crowe</i>		Serial dependencies in visual stability during self-motion <i>Manuel Bayer, Eckart Zimmermann</i>	
15:30	Temporal recalibration of sensorimotor contingencies of saccades can result from visual information alone <i>Wiebke Nörenberg, Richard Schweitzer, Martin Rolfs</i>	Spatiotemporal profile of flash mislocalization in the vicinity of motion <i>Mohammad Shams, Peter Kohler, Patrick Cavanagh</i>		Serial dependence in dermatological judgments <i>David Whitney, Zhihang Ren, Mauro Manassi, Xinyu Li</i>	
15:45	Temporal dissociation of localization and categorization tasks in Continuous Flash Suppression <i>Florian Kobyłka, Günter Meinhardt</i>			Explicit and Implicit Ensemble Perception: Same or Different <i>Shaul Hochstein, Noam Khayat, Marina Pavlovskaya</i>	

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16:15 - 17:15 Coffee Break

Poster Sessions 6: Multisensory Perception; Oscillations & Cortical Processing**Multisensory Perception Poster Session**

Psychological Effect of Color and Aroma of Olive Oil on Predicted Taste and Deliciousness
Akihisa Takemura, Shino Okuda, Katsunori Okajima, Tsubasa Yamaguchi

Congruent sounds enhance the visual perception of actively masked biological stimuli
Stefano Ioannucci, Petra Vetter

Visuo-haptic multisensory integration in actions toward oriented objects
Francesco Ceccarini, Zoltan Derzi, Robert Volcic

Cue Combination in Weight Perception with Familiar and Novel Cues
Olaf Kristiansen, Meike Scheller, Marko Nardini

The eyes are captured by animate images without conscious visual perception
Junchao Hu, Miriam Gfeller, Stephanie Badde, Petra Vetter

Image-to-audio generation as a tool for stress relief
Florin Girbacia, Daniel Gheorghe Voinea

The effect of wearing a face mask on lip-reading and audiovisual speech perception.
Yuta Ujiie, Kohske Takahashi

Dimension-based distractor handling in visual search: evidence from behavioral and electrophysiological measures
Shao-Yang Tsai, Jan Nasemann, Thomas Töllner, Hermann Müller, Zhuanghua Shi

Examining Auditory Modulations on Detecting and Integrating Visual Global Motion
Pi-Chun Huang, Yi-Chuan Chen, Ang-Ke Ku

The role of visual and auditory information in the identification of the type of tennis serve: A pilot study
Fabrizio Sors, Matteo Turci, Claudia Virginia Manara, Mauro Murgia, Tiziano Agostini

Internal and external triggers modulate ambient & focal processing of scenes and website pages
Thomas Le Bras, Lou Farro, Lisa Formentini, Alexandre Milisavljevic, Benoit Allibe, Karine Doré-Mazars

Visual and haptic pleasantness of geometric patterns
Myrthe Plaisier, Quinn van Rooy, Kynthia Chamilothoni

Second-order spectral space : a common computational scheme underlying visual and auditory texture perception
Isamu Motoyoshi, Hironori Maruyama, Kosuke Okada

Neutral grey judgements as a tool to reveal odour-colour correspondences
Ryan Ward, Maliha Ashraf, Sophie Wuerger, Alan Marshall

Reduced contextual effects and sensory specialization in duration perception in autism
Inbar Avni Ben Zvi, Bat Sheva Hadad, Hagit Hel Or

Pupillary measures of audio-visual binding can predict the varied severity of motion sickness
Revital Zilka, Yoram Bonne

Verbal or visual representation of side effects: Does this affect the judgement of driving behavior?
Lea Laasner Vogt, Swen Jonas Kühne, Sabine Maja Bremermann-Reiser, Ester Reijnen

Bayesian multilevel modelling of simultaneity judgements discriminates between observer models and reveals how participants' strategy influences the window of subjective synchrony
Kielan Yarrow, Joshua Solomon, Derek Arnold, Warrick Roseboom

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Semantic interaction between music and artworks
Francesco De Benedetto, Alice Mado Proverbio

Semantic Content Effects On The Perception Of Movieclips
Anastasia Maria Kesoglou, Kyriaki Mikellidou

Spatial contextual cues can be used to guide interception
Emily M. Crowe, Jeroen B. J. Smeets, Eli Brenner

Interaction between color and orientation in the perception of visual variance
Sachiyo Ueda, Shuya Hirose, Reiko Yakushijin, Akira Ishiguchi

Oscillations & Cortical Processing Poster Session

Altered resting-state functional connectivity of the cortical central visual field representation in individuals with myopia
Natalia Zaretskaya, Marilena Wilding, Laura Posch-Pertl, Martin Weger, Christian Enzinger, Anja Ischebeck

Motion-induced SSVEPs without motion processing: large-scale cortical dynamics can interact with moving stimuli to produce SSVEPs
Ilker Duymaz, Nihan Alp

Cortical initiation of spontaneous reversals of visual perception
Murat Can Mutlu, Ehsan Kakaei, Jochen Braun

Entrainment of perceptually relevant brain oscillations in visual contour integration: Evidence from tACS and Audio-Visual Entrainment
Giulio Contemori, Carolina Maria Oletto, Giuseppe Di Dona, Luca Ronconi, Luca Battaglini, Marco Bertamini

Predictive processing in the cortical network of biological motion perception
Murat Batu Tunca, Burcu A. Urgan

Statistical learning of view-invariance and order-of-appearance revealed by cortical representation of synthetic objects
Ehsan Kakaei, Jochen Braun

Anatomy of complex perceptual decision making processes in humans
Adam Koblinger, József Arató, Jozsef Fiser

Neural activation in visual processing regions was related to improvement in the misestimation of body size
Yumi Hamamoto, Kentaro Honda, Ryo Ishibashi, Yi Ding, Rui Nouchi, Motoaki Sugiura

Imaginary scenes are represented in cortical alpha activity
Rico Stecher, Daniel Kaiser

Abnormal networks connections to early visual cortex in posterior cortical atrophy
Atra Bick, Ayelet Mckyton, Haya Glick-Shames, Netaniel Rein, Netta Levin

Increased Gamma Oscillations are Associated with Visual Working Memory Load
Maria Lev, Oren Kadosh, Ziv Siman Tov, Uri Polat

Neural correlates of visual discomfort: insights from magnetoencephalography (MEG)
Georgie Powell, Petroc Sumner, Hannah Thomas, Alice Price, Lucie Reed, Gavin Perry, Krish Singh

Can we make the brain symmetry-blind?
Alexis Makin, Ned Buckley, Emma Austin

Dissociating the role of visual field maps within the occipital place area
Catriona Scrivener, Edward Silson

One in Four People Do Not Perceive Phosphenes During Transcranial Magnetic Stimulation on the Primary Visual Cortex
Phivos Phylactou, Nikos Konstantinou

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Population receptive field size in human V1, V2 and V3 varies as a function of cortical depth
Maya A. Jastrzębowska, Nicolás Gravel, Polina Iamschchinina, Daniel Haenelt, Nikolaus Weiskopf, Radosław M. Cichy

The effect of reduced temporal signal-to-noise ratio and participant motion on a population receptive field analysis
Elliot Howley, Susan Francis, Denis Schluppeck

Short-burst stimulation design enhances steady-state VEP responses
Jun Li, Jing Chen, Matteo Valsecchi

Changes in Connective Field properties between primary and later visual areas during visual recognition
Mayra Bittencourt, Marcus Daghlian, Marouska van Ommen, Remco Renken, Serge Dumoulin, Frans Cornelissen

Task-dependent switching of the tuning properties of F5 mirror neurons
Lilei Peng, Alexander Lappe, Shengjun Wen, Martin Giese, Peter Thier

Alpha and theta rhythms support perceptual and attentional sampling in visual performance
Caterina Bertini, Luca Ronconi, Gianluca Marsicano, Jessica Gallina

Is there an optimal stimulation rate for frequency-tagged visual word-selective responses?
Marion Marchive, Bruno Rossion, Louis Maillard, Alette Lochy

Ensemble perception: Disparities in processing across the visual processing hierarchy
Chien-Chun Yang, Yi-Chuan Chen, Su-Ling Yeh

16:15 - 17:15 Coffee Break

17:30 - 22:00 Tour & Conference Dinner