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Decreto Rettore Università di Roma “La Sapienza” n 2933/2019 del 03.10.2019.

Curriculum Vitae

Stefano Sdoia, PhD

Education

University Graduation

- 2001: **MSc in Psychology**, Sapienza University of Rome, Italy, **Summa cum laude** (110/110 e lode), Dissertation topic: Experimental study on the effects of cognitive biases on decision making under uncertainty

Post-graduate studies

- 2001: 1-year **Post-lauream training** in experimental psychology, Sapienza University of Rome, Italy, Department of Psychology
- 2002: Annual, intense one-week summer school focused on **Research Methods in Psychology**, Italian Association of Psychology (AIP)
- 2004: Annual, intense one-week spring School on Interdisciplinary themes of **Body and Motion Representations in Humans** (IK 2004). Möhnesee, Germany, German Society for Cognitive Science (GK) & German Informatics Society
- 2004-05: **Visiting PhD student, University of Oxford**, Department of Experimental Psychology, Brain & Cognition Lab

PhD

- 2005: **PhD in Psychology**, Sapienza University of Rome, Italy, Department of Psychology, Dissertation topic: Cognitive control during task switching

Specialty

- 2007: **Four-years post-graduate specialty Degree** in Cognitive and Behavioral Psychotherapy, School of Cognitive Psychotherapy (Scuola di Psicoterapia Cognitiva), Italy

Licensures

- 2004: State certification exam for practice as a **Psychologist**, Ordine degli Psicologi del Lazio
- 2007: State certification exam for practice as a **Psychotherapist**, Ordine degli Psicologi del Lazio & School of Cognitive Psychotherapy
- 2017: **National Scientific Qualification (Abilitazione Scientifica Nazionale art. 16, law 240/2010)** for permanent faculty position of Associate Professor, Academic Recruitment Field: **11/E1** (D.D. 1532/2016).

Appointments

Academic Appointments

- 01/02/2017- now: non-tenured 3-years **Assistant Professor – (Ricercatore a Tempo Determinato – tipologia A, art. 24 c.3-a L. 240/10)**, Sapienza University of Rome, Italy, Department of Psychology; Academic Recruitment Field: **11/E1**, Academic Discipline: **M-PSI/01**
- 2015-16: **Research fellow (Assegnista di Ricerca), General Psychology (M-PSI/01)**, Sapienza University of Rome, Italy, Department of Psychology, Research topic: Adapting behaviour to changing task demands: the role of inhibitory executive control in the temporal deployment of visual attention
- 2014-2015: **Research fellow, General Psychology (M-PSI/01)**, Sapienza University of Rome, Italy, Department of Psychology, Research topic: Transcranial Direct Current Stimulation efficacy on sleep and cognition

- 2011-13: **Research fellow, General Psychology (M-PSI/01)**, Sapienza University of Rome, Italy, Department of Psychology, Research Topic: Human Cognition and Action
- 2009: **Research fellow, Psychophysiology and psychobiology (M-PSI/02)**, University of Rome Foro Italico, Italy, Department of Motor, Human and Health Sciences, Research Topic: Attention and action: neuroimaging and electrophysiology intergration for spatio-temporal brain mapping

Other Appointments

- 2013: **Research collaborator** (Borsa di collaborazione), Bambino Gesù Pediatric Hospital, Department of Neuroscience, Child Neuropsychiatry Unit, Research topic: brain-directed treatments of developmental disorders
- 2008: **Research collaborator** (Borsa di collaborazione), University of Bologna, Italy, Department of General and Human Physiology, Research topic: Motion and self-motion perception in human brain
- 2005-07: **Research collaborator** (Contratto di collaborazione), Santa Lucia Foundation, Rome, Italy, Neuroimaging Laboratory, Research topic: Cognitive control, Attention and Action

Teaching experience

- 2019-20: **Psychology of Cognitive Processes: Theories and Methods (M-PSI/01** – carico didattico assegnato in qualità di RTD-A) Sapienza University of Rome, Italy, Faculty of Medicine & Psychology, Bachelor Degree course in Psychological Sciences and Techniques (Scienze e Tecniche Psicologiche – Unitelma Sapienza)
- 2019-20: **General Psychology (M-PSI/01**– carico didattico assegnato in qualità di RTD-A), Sapienza University of Rome, Italy, Faculty of Medicine & Psychology, Bachelor Degree course for Nursing
- 2019-20: **Cognitive Processes (M-PSI/01**, Invited Professor), Pontifical Faculty of Educational Sciences “Auxilium”, Rome, Italy; Master degree course of Educational Psychology
- 2018-19: **Psychology of Cognitive Processes: Theories and Methods (M-PSI/01** – carico didattico assegnato in qualità di RTD-A) Sapienza University of Rome, Italy, Faculty of Medicine & Psychology, Bachelor Degree course in Psychological Sciences and Techniques (Scienze e Tecniche Psicologiche – Unitelma Sapienza)
- 2018-19: **General Psychology (M-PSI/01** – carico didattico assegnato in qualità di RTD-A), Sapienza University of Rome, Italy, Faculty of Humanities and Philosophy, Bachelor Degree course in Tourism Sciences.
- 2018-19: **General Psychology (M-PSI/01**– carico didattico assegnato in qualità di RTD-A), Sapienza University of Rome, Italy, Faculty of Medicine & Psychology, Bachelor Degree course for Nursing
- 2018-19: Post-Specialty Advanced level Training Course (**Corso di Alta Formazione**) “Strategie evidenced-based di intervento psicologico e modelli scientificamente fondati del funzionamento mentale”, Department of Psychology, Sapienza University of Rome.
- 2018-19: “Classics of Experimental Psychology”, **PhD Course in Psychology and Cognitive Sciences**, Department of Psychology, Sapienza University of Rome.
- 2017-18: **Psychology of Cognitive Processes: Theories and Methods (M-PSI/01** – carico didattico assegnato in qualità di RTD-A) Sapienza University of Rome, Italy, Faculty of Medicine & Psychology, Bachelor Degree course in Psychological Sciences and Techniques (Scienze e Tecniche Psicologiche – Unitelma Sapienza)
- 2017-18: **General Psychology (M-PSI/01** – carico didattico assegnato in qualità di RTD-A), Sapienza University of Rome, Italy, Faculty of Humanities and Philosophy, Bachelor Degree course in Tourism Sciences.
- 2017-18: **General Psychology (M-PSI/01**– carico didattico assegnato in qualità di RTD-A), Sapienza University of Rome, Italy, Faculty of Medicine & Psychology, Bachelor Degree course for Nursing

- 2017-18: **Cognitive Processes (M-PSI/01**, Adjunct Professor - professore a contratto), Pontifical Faculty of Educational Sciences “Auxilium”, Rome, Italy; Master degree course of Educational Psychology
- 2017-18: “Classics of Experimental Psychology”, **PhD Course in Psychology and Cognitive Sciences**, Department of Psychology, Sapienza University of Rome.
- 2016-17: **General Psychology (M-PSI/01**, Adjunct Professor - professore a contratto), Sapienza University of Rome, Italy, Faculty of Medicine & Psychology, Bachelor Degree course for Nursing
- 2015-16: **Cognitive Processes (M-PSI/01**, Adjunct Professor - professore a contratto), Pontifical Faculty of Educational Sciences “Auxilium”, Rome, Italy; Master degree course of Educational Psychology
- 2015-16: **General Psychology (M-PSI/01**, Adjunct Professor - professore a contratto), Sapienza University of Rome, Italy, Faculty of Medicine & Psychology, Bachelor Degree course for Nursing
- 2015-16: **Psychology and Forensics**, (Invited Professor) University of Florence, Institute of Forensics Medicine, Department of Health Sciences, 2nd Level Master in Forensic Odontology
- 2014-15: **Psychology and Forensics**, (Invited Professor) University of Florence, Institute of Forensics Medicine, Department of Health Sciences, 2nd Level Master in Forensic Odontology
- 2013-14: **Cognitive Processes (M-PSI/01**, Adjunct Professor - professore a contratto), Pontifical Faculty of Educational Sciences “Auxilium”, Rome, Italy; Master degree course of Educational Psychology
- 2013-14: **Psychology and Forensics**, (Invited Professor) University of Florence, Institute of Forensics Medicine, Department of Health Sciences, 2nd Level Master in Forensic Odontology
- 2008-09: **History and Methods in Psychology (M-PSI/01**, Adjunct Professor -professore a contratto), University of L’Aquila, Italy, Faculty of Psychology, Master degree course of Psychology
- 2007-08: **Psychometrics (M-PSI/03**, Adjunct Professor -professore a contratto), University of L’Aquila, Italy, Faculty of Psychology, Master degree course of Psychology
- 2006-07: **Psychometrics (M-PSI/03**, Adjunct Professor -professore a contratto), University of L’Aquila, Italy, Faculty of Psychology, Master degree course of Psychology
- 2005-06: **Psychological Testing (M-PSI/03**, Adjunct Professor -professore a contratto), University of L’Aquila, Italy, Faculty of Psychology, Master degree course of Psychology
- 2004-13: **Supervisor** of undergraduate research projects on Thinking, Reasoning and Decision, Sapienza University of Rome, Faculty of Psychology 2, Consorzio Nettuno

- Part of the teaching activity has been also dedicated specifically to exams of students involved in the **24 CFU Educational Training** (Decreto Ministeriale n. 616 per l’abilitazione all’insegnamento nelle scuole). In the A.A. 2017/18, 2018/19 and 2019/20 such an activity has involved exams of about 2312 students (source: Infostud).

Institutional Roles

- 2019: Member of the Department of Psychology Board (Membro eletto della **Giunta di Dipartimento come Rappresentante dei Ricercatori**), Sapienza University of Rome.
- 2019: Member of the Committee for the post-doctoral fellowship (**commissione giudicatrice** n. 1 posto di Assegnista di ricerca) Department of Psychology, Faculty of Medicine and Psychology, Academic Field **11/E1**, Academic Discipline **M-PSI/01**; prot. n. 1100/2019.
- 2019: Member of the Committee for the post-doctoral fellowship (**commissione giudicatrice** n. 1 posto di Assegnista di ricerca) Department of Psychology, Faculty of Medicine

- and Psychology, Academic Field **11/E1**, Academic Discipline **M-PSI/01** and **M-PSI/02**; prot. n. 1038/2019.
- 2018-19: Member of the PhD Council of Psychology and Cognitive Sciences (**Membro del Collegio di Dottorato**)
 - 2018-19: Member of the Department of Psychology Council (**Membro del Consiglio di Dipartimento**)
 - 2017-18: Member of the PhD Council of Psychology and Cognitive Sciences (**Membro del Collegio di Dottorato**)
 - 2017-18: Member of the Department of Psychology Council (**Membro del Consiglio di Dipartimento**)
 - 2018: Member of the Committee for the post-doctoral fellowship (**commissione giudicatrice** n. 1 posto di Assegnista di ricerca) Department of Psychology, Faculty of Medicine and Psychology, Academic Field **11/E1**, Academic Discipline **M-PSI/01**; prot. n. 626/2018.
 - 2018: Member of the Committee for the post-doctoral fellowship, (**commissione giudicatrice** per n. 1 posto di Assegnista di ricerca), Department of Psychology, Faculty of Medicine and Psychology, Academic Field **11/E1**, Academic Discipline **M-PSI/01**; prot. n. 132/2018
 - 2018: Member of the Department Committee for the post-doctoral fellowship , prot. n. 133/2018 (**commissione giudicatrice** per n. 1 posto di Assegnista di ricerca), Department of Psychology, Faculty of Medicine and Psychology, Academic Field **11/E1**, Academic Discipline **M-PSI/01**; prot. n. 133/2018
 - 2018: Member of the Committee for the Recruitment of Tutors dedicated to the 24 CFU Educational training (**Commissione giudicatrice** per la selezione dei Tutor per il Master 24 CFU Bando n. 11/2018).
 - 2017: President member of the faculty committee for the admission test in Psicologia e Salute – Psicologia e Processi Sociali, Faculty of Medicine and Psychology (Presidente della commissione d’aula per il Corso di laurea ad accesso programmato).

Society memberships, Awards and Honours

- 2013-16: **Fellow and Financial Officer** of the Association for Research and Education in Neuro-Psycho-Social Sciences (Associazione Ricerca e Formazione Scienze Neuro-Psico-Sociali, A.R.F.N.)
- 2011: **Member** of the Association for Psychological Science (APS)
- 2008- : **Referee** for the following scientific peer-reviewed journals: Experimental Psychology; Journal of Cognitive Psychology; Neuropsychology; Giornale Italiano di Psicologia
- 2006- : **Fellow** of the Italian Society for Education in Psychiatry (Società Italiana Formazione in Psichiatria, SIFIP)
- 2005: : **Member** of the European Society for Cognitive Psychology (ES COP)
- 2004: **Young Researcher Award** of the Italian Association of Psychology (AIP) - Section of Experimental Psychology
- 2003: Postgraduate **Abroad Research Scholarship** by Sapienza University of Rome, Italy
- 1998: Undergraduate **Scholarship**, Sapienza University of Rome, Italy

Funding Information

[grants as PI-principal investigator or I-investigator]

- 2019: PhysiologicAl Adaptation effects upon DecIision making and skills Maintenance in ICE (PArADIgM), **European Space Agency (ESA)**, Project Concordia 2017: to be implemented in 2019-2023, Ref. num. ESA-HRE-RS-LE-0017, **Investigator**
- 2019: PhysiologicAl Adaptation effects upon DecIision making and skills Maintenance in ICE - 2 (PArADIgM-2), **European Space Agency (ESA)**, European Space Research and Technology Center (ESTEC), Project SIRIUS 2020-SIRIUS 2022 Ref. num. ESA-HRE-RS-LE-0090, **Investigator**

- 2018: Individual differences in cognitive, affective and physiological (in)flexibility as predictors of non-invasive brain stimulation (tDCS) effects on the ability to suppress intrusive thoughts. Sapienza University Research Program (Finanziamenti di Ateneo) ref. num. RM1181643660189A; **Principal Investigator; € 10000.**
- 2017: The interactive roles of parenting, emotion regulation and executive functioning in adolescence. Sapienza University Research Program (Finanziamenti di Ateneo) ref. num. RM11715C82431766; **Investigator; € 8500**
- 2017: High-density EEG (hd-EEG) of sleep across the "STand AND wAlk" project. OptimiziNg agency of Exoskeleton in spinal cord injury (SCI) patients and the impact of prosthetic learning on hd-EEG of sleep. Sapienza University Research Program (Finanziamenti di Ateneo, **Medie Attrezzature**) ref. num. MA11715C78F2B90 **Investigator; € 8500**
- 2014-16: Zero GPG - Gender e-quality: Innovative tool and awareness raising on GPG; Funded by the **European Community**, Directorate General Justice; ref.num. 4000004862(JUST/2013/PROG/AG/GE); **Investigator, € 443125**
- 2015: Cognitive performance, biological rhythms, and sleep in high arctic residents Sapienza University Research Program (Finanziamenti di Ateneo) ref. num. C26A15RF7B; **Investigator € 10000**
- 2014: Executive functions and attention to social information; Sapienza University Research Program (Finanziamenti di Ateneo); **Investigator, € 3000**
- 2012: When remembering needs forgetting: inhibitory control in selective memory retrieval; Sapienza University Research Program; **Starting Grant to Stefano Sdoia**; ref. num. C26N12HMY8 **Principal Investigator , € 2000**
- 2011: Does a specific automatic attention orienting exist for social information? FARI Research Program by Sapienza University; **Investigator, € 10000**
- 2009: Changes of cortical plasticity while accumulating a sleep debt, Neuroscience Program by Compagnia di San Paolo; **Investigator, € 60000**
- 2008: ICARUS Project: Inter-Cultural Approaches for Road Users Safety, funded by **European Commission** (TREN/SUB/01-2008 S12.524865), **Investigator, € 311599**
- 2006: Marcatori Comportamentali del carico di lavoro mentale in compiti di guida automobilistica, Funded by Italian Ministry of University, Research & Technology; Faculty Research Program, (Facoltà - Quota 60%); **Investigator, € 1182**
- 2005: Fenomeni di inattenzione e illusioni percettive indotti da schemi senso-motori, Funded by Italian Ministry of University, Research & Technology; Faculty Research Program, (Facoltà - Quota 60%); **Investigator, € 1500**
- 2005: Ruolo dell'azione nella percezione categoriale, Sapienza University Research Program; **Investigator, € 16000**
- 2004: Misure soggettive del carico di lavoro mentale nella sicurezza stradale: costruzione e validazione di uno strumento di misura, Funded by Italian Ministry of University, Research & Technology; Faculty Research Program, (Facoltà - Quota 60%); **Investigator, € 4000**
- 2004: Fenomeni di inattenzione e illusioni percettive indotti da schemi senso-motori funzionali e disfunzionali, Sapienza University Research Program; **Investigator, € 16000**
- 2003: Effetti sopramodali e modalità specifici nell'inibizione di ritorno cross-modale, Funded by Italian Ministry of University, Research & Technology; Faculty Research Program, (Facoltà - Quota 60%); **Investigator, € 1237**
- 2002: Azione e rappresentazione dello spazio: effetti di modulazione dell'affordance degli oggetti sulla codifica spaziale, Funded by Italian Ministry of University, Research & Technology; Faculty Research Program, (Facoltà - Quota 60%); **Investigator, € 1113**

Research Activities

My research interests are mainly oriented towards the study of cognitive processes from both basic and applied science perspectives. Research topics include Executive Functions and Inhibitory Control (e.g., Sdoia & Ferlazzo, 2016), Timing of attention (e.g., Sdoia et. al. 2019) in reading abilities (e.g.,

Costanzo et al, 2016), Cognitive functioning in clinical populations (e.g., Foti, Sdoia et al, 2015), Attentional control processes in both spatial (e.g., Di Russo et al, 2012) and temporal domains (Sdoia & Ferlazzo 2012), Cognitive flexibility and task switching abilities (e.g., Sdoia & Ferlazzo 2008), Object-motion and self-motion perception (e.g., Pitzalis, Sdoia et al, 2013), Behavioral performance and sleep activity (e.g., Couyoumdjian, Sdoia et al, 2010). All these research lines share my personal interest toward the study of how cognitive processes mediate human-environment interaction. Research topics are mostly investigated by means of behavioural methods, such as Reaction Times, Error rate and Eye-movements Tracking (e.g., Sdoia & Ferlazzo, 2016). Combined electrophysiological-imaging techniques are also used (e.g., Pitzalis, Sdoia et al., 2013) as well as non-invasive brain stimulation technique (e.g., Sdoia et al. 2019) to address theoretical cognitive hypothesis. Also, the replicability issue affecting many of the cognitive studies, and these days under scrutiny by the scientific community has been addressed through statistical resampling/simulation techniques (bootstrap & Monte Carlo e.g., Ferlazzo & Sdoia, 2012).

Publications

- **Sdoia S**, Conversi D, Pecchinenda A, Ferlazzo F. (2019). Access to consciousness of briefly presented visual events is modulated by transcranial direct current stimulation of left dorsolateral prefrontal cortex. *Scientific Reports* 9, 10950 doi:10.1038/s41598-019-47527-4. Impact Factor: 4.011; num. citations: 0 (Scopus)
- **Sdoia S**, Di Nocera F, Ferlazzo F. (2019). Memory for positional movements as a component of the visuospatial working memory. *Cognitive Processing*, 20:363–369, <https://doi.org/10.1007/s10339-019-00917-y>. Impact Factor: 1.233; num. citations: 0 (Scopus)
- Cordellieri P, **Sdoia S**, Ferlazzo F, Sgalla R, Giannini A. M. (2019). Driving attitudes, behaviours, risk perception and risk concern among young student car-drivers, motorcyclists and pedestrians in various EU countries. *Transportation Research Part F – Traffic Psychology and Behaviour* 65, 56–67. <https://doi.org/10.1016/j.trf.2019.07.012>. Impact Factor: 2.360; num. citations: 0 (Scopus)
- **Sdoia S**, Ferlazzo, (2016). Change is good: Inter-trial switching of target category improves attentional selection in time. *Acta Psychologica*, 164, 2016, 46–55, doi:10.1016/j.actpsy.2015.12.006. Impact Factor: 2.031; num. citations: 0 (Scopus)
- Costanzo, F, Varuzza, C, Rossi, S, **Sdoia, S**, Varvara, P, Oliveri, M, Koch, G, Vicari, S, Menghini, D. (2016). Reading changes in children and adolescents with dyslexia after transcranial direct current stimulation. *Neuroreport*, 27, 5, 295-300, doi:10.1097/WNR.0000000000000536. Impact Factor: 1.395; num. citations: 17 (Scopus)
- Costanzo F, Varuzza C, Rossi S, **Sdoia S**, Varvara P, Oliveri M, Giacomo K, Vicari S, Menghini D. (2016). Evidence for reading improvement following tDCS treatment in children and adolescents with Dyslexia. *Restorative Neurology and Neuroscience*, 34, 2, 215-226, doi: 10.3233/RNN-150561. Impact Factor: 2.526; num. citations: 19 (Scopus)
- Foti F, **Sdoia S***, Menghini D, Vicari S, Petrosini L, Ferlazzo F. (2015). Out with the Old and in with the New--Is Backward Inhibition a Domain-Specific Process? *PLoS One*, 10(11):e0142613. doi: 10.1371/journal.pone.0142613. Impact Factor: 3.057; num. citations: 2 (Scopus) * contributed equally to this work.
- Foti F, **Sdoia S**, Menghini D, Mandolesi M, Vicari S, Ferlazzo F, Petrosini L. (2015). Are the deficits in navigational abilities present in the Williams syndrome related to deficits in the backward inhibition? *Frontiers in Psychology*, 6-287, doi: 10.3389/fpsyg.2015.00287. Impact Factor: 2.463; num. citations: 6 (Scopus)
- Pitzalis S., **Sdoia S.**, Bultrini A., Committeri G., Di Russo F., Fattori P., Galletti C., Galati G. (2013) Selectivity to translational egomotion in human brain motion areas. *Plos One* 8(4):e60241. doi 10.1371/journal.pone.0060241. Impact Factor: 3.534; num. citations: 43 (Scopus)

- **Sdoia S.**, Ferlazzo F. (2012). An inhibition effect in the temporal constrains of attentional selection: the Backward Blink. *Acta Psychologica*, 139, 3, 501-506, doi: 10.1016/j.actpsy.2012.01.005. Impact Factor: 2.206; num. citations: 3 (Scopus)
- Ferlazzo F, **Sdoia S** (2012). Measuring Nepotism through Shared Last Names: Are We Really Moving from Opinions to Facts?. *Plos One*, 7, 8, e43574, doi:10.1371/journal.pone.0043574. Impact Factor: 3.730; num. citations: 5 (Scopus)
- Di Russo F, Stella A, Spitoni G, Strappini F, **Sdoia S**, G. Galati, Hillyard Sa, Spinelli D, Pitzalis S (2012). Spatio-temporal brain mapping of spatial attention effects on pattern-reversal ERPs. *Human Brain Mapping*, 33, 6, 1334-1351, doi: 10.1002/hbm.21285. Impact Factor: 6.878; num. citations: 36 (Scopus)
- Couyoumdjian A, **Sdoia S**, Tempesta D, G. Curcio, Rastellini E, De Gennaro L, Ferrara M (2010). The effects of sleep and sleep deprivation on task switching performance. *Journal Of Sleep Research*, 19, 1, 64-70, doi: 10.1111/j.1365-2869.2009.00774.x. Impact Factor: 3.361; num. citations: 66 (Scopus)
- **Sdoia S.**, Ferlazzo, F. (2008). Stimulus-related inhibition of task set during task switching. *Experimental Psychology*, 55, 5, 322-327, doi: 10.1027/1618-3169.55.5.322. Impact Factor: 1.970; num. citations: 23 (Scopus)
- Ferlazzo F, Fagioli S, Di Nocera F, **Sdoia S**. (2008). Shifting attention across near and far spaces: Implications for the use of hands-free cell phones while driving. *Accident Analysis And Prevention*, 40, 6, 1859-1864, doi: 10.1016/j.aap.2008.07.003. Impact Factor: 1.963; num. citations: 18 (Scopus)
- Ferlazzo F, Fagioli S, **Sdoia S**, Di Nocera F. (2008). Goal-completion processes affect the attentional blink . *European Journal Of Cognitive Psychology*, 20, 4, 697-710, doi: 10.1080/09541440701568763. Impact Factor: 1.193; num. citations: 3 (Scopus)
- Ferlazzo F, Lucido S, Di Nocera F, Fagioli S, **Sdoia S**. (2007). Switching Between Goals Mediates the Attentional Blink Effect. *Experimental Psychology*, 54, 2, 89-98, doi: 10.1027/1618-3169.54.2.89. Impact Factor: 2.781; num. citations: 24 (Scopus)
- **Sdoia S**, Couyoumdjian A, Ferlazzo F. (2004). Opposite Visual Field Asymmetries For Egocentric And Allocentric Spatial Judgements. *Neuroreport*, 15, 8, 1303-1305, doi: 10.1097/01.wnr.0000125776.27645.c4. Impact Factor: 2.351; num. citations: 8 (Scopus)

Book chapters

- 2006 - Couyoumdjian A, Sdoia S (2006). L'Attenzione. In: *Psicologia generale*; Couyoumdjian & Del Miglio (a cura di), Edizioni Borla, ROMA.

Presentations

- 2019 - Zivi P., Sdoia S., Ferlazzo F. I fenomeni di inversione nell'Attentional Blink: il ruolo della rappresentazione numerica. XXV Congresso AIP Sezione Sperimentale, 18-20 settembre 2019, Milano
- 2018 - Sdoia S. Behavioral effects of high-level cognitive inhibition during rapid goal switching. In Symposium: Inhibitory control in perception, action and high cognitive functions. Evidence from neurophysiological and behavioral studies. Congresso della Società Italiana di Psicofisiologia e Neuroscienze Cognitive. 15-17 Novembre 2018, Torino, Italy.
- 2018 - Di Giunta L, Sdoia S, Lunetti C, Thartori E, Basili E, Pastorelli C, Steinberg L, Lansford J, Bacchini D, Fiasconaro I. Response Inhibition, anger regulation, self-efficacy about anger regulation, and aggressive behaviors in adolescence. European Workshop on Imagery and Cognition (EWIC), 7-9 June, 2018 Padova; Italy.
- 2018 - Zivi P, Pasquali V, Sdoia S, Ferlazzo F. Biological rhythms and decision-making in high arctic residents during summer and winter. In 39th Annual meeting of the International Society for Gravitational Physiology (ISGP) & ESA Space meets health initiative. ESA-ESTEC; 18-22 June, 2018 Noordwijk; Netherlands

- 2015 - Menghini D., Costanzo F., Rossi S., Varuzza C., Sdoia S., Oliveri M., Koch G., & Vicari S. Evidence for reading improvement following tDCS treatment in children and adolescents with Dyslexia. European Dyslexia Association Conference (EDA), June, 18-20, 2015, San Marino.
- 2014 – Menghini D., Costanzo F., Rossi S., Varuzza C., Sdoia S., Oliveri M., Koch G., Vicari S. Modulation of cognitive performance in dyslexic children and adolescents with transcranial direct current stimulation. Society for Neuroscience Annual Meeting 2014. November 15-19, Washington, DC, USA.
- 2014 - Costanzo F, Rossi S, Varuzza C, Sdoia S, Varvara P, Oliveri M, Koch G, Vicari S, Menghini D. American Academy of Child and Adolescent Psychiatry AACAP's 61st Annual Meeting, October, 20-25, San Diego, Ca, USA.
- 2013 – Sdoia S., Ferlazzo F. Ruolo delle Funzioni Esecutive nell'Attentional Blink. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 16-18 settembre, 2013 Roma, Italia.
- 2013 – Ferlazzo F., Ferravante D.G., Sdoia S., Giannini A.M. Effetto di Condizioni di Isolamento Estremo sui Processi di Controllo Cognitivo dell'Azione. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 16-18 settembre, 2013, Roma, Italia.
- 2012 – Gorgoni M., Ferlazzo F., Moroni F., Donarelli S., D'Atri A., Fanelli S., Gizzi Torriglia I., Lauri G., Sdoia S., Ferrara M., Marzano C., Rossini P.M., De Gennaro L. (2012). Sleep deprivation affects cortical excitability. *Journal Of Sleep Research*, vol. 21 (Suppl. 1), ISSN: 0962-1105
- 2012 - M. Gorgoni, F. Ferlazzo, F. Moroni, S. Donarelli, A. D'Atri, S. Fanelli, I. Gizzi Torriglia, G. Lauri, S. Sdoia, M. Ferrara, C. Marzano, P.M. Rossini, L. De Gennaro. Effetti della deprivazione di sonno sull'eccitabilità corticale. . In: XXII Congresso Nazionale Associazione Italiana di Medicina del Sonno (A.I.M.S.). Parma, 21-24 ottobre 2012.
- 2009 - Sdoia S., Pitzalis S., Bultrini A., Di Russo F., Fattori P., Galati G., Galletti C. (2009). Sensitivity to optic flow components in human cortical area V6 and other cortical motion areas. *Neuroimage*, vol. 47 S86, ISSN: 1053-8119, doi: 10.1016/S1053-8119(09)70645-7
- 2009 - Bozzacchi C., Bultrini A., Sdoia S., Pitzalis S., Galletti C., Fattori P., Di Russo F. (2009). Spatiotemporal Mapping of the Neural Circuits Involved in Self-Motion Perception. *Neuroimage*, vol. 47 S63, ISSN: 1053-8119, doi: 10.1016/S1053-8119(09)70314-3
- 2008 - Sdoia S., Ferlazzo F. (2008). Backward Inhibition Effects on the Attentional Blink. International Conference of Psychology (ICP), 20-25 luglio, Berlino, Germania.
- 2008 - Sdoia S., Ferlazzo F. (2008). Il Ruolo della Backward Inhibition nell'Attentional Blink. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 18-20 settembre, Padova, Italia.
- 2008 - Tempesta D., Curcio G., Couyoumdjian A., Sdoia S., Rastellini E., Pellegrini P., Timperi A., Petrangeli V., De Gennaro L., Ferrara M. (2008). Effetti della deprivazione di sonno sulle funzioni esecutive. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 18-20 settembre, Padova, Italia.
- 2007 - Sdoia S., Pitzalis S., Galati G. (2007). Task-set shifting selectively modulates activity of extrastriate task-related regions. Conference of the European Society for Cognitive Psychology (ESCOPE), 29/08-01/09/2007 Marseille, France.
- 2007 - Sdoia S., Pitzalis S., Galati G. (2007). Modulazione selettiva delle aree compito-specifiche durante il task-switching: uno studio di fMRI. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 17-19 settembre, Como.
- 2007 - Ferlazzo F., Fagioli S., Sdoia S. (2007). Effetti di priming motorio in una illusione stereocinetica bistabile. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 17-19 settembre, Como.
- 2007 - Ferlazzo F., Fagioli S., Sdoia S., Di Nocera F. (2007). Road-Safety and Phone Conversations: the Role of Shifting Attention Across Near and Far Spaces. Conference of the European Society for Cognitive Psychology (ESCOPE), 29/08-01/09/2007 Marseille, France.
- 2007 - Fagioli S., Sdoia S., Ferlazzo F. (2007). Affordance Effects in the Peripersonal and Extrapersonal Spaces. Conference of the European Society for Cognitive Psychology (ESCOPE), 29/08-01/09/2007 Marseille, France.
- 2006 - Sdoia S., Pitzalis S., Galati G. (2006). Task-switching effects on extrastriate brain region activity. 5th Forum of the European Neurosciences Societies (FENS), 8-12 Luglio, Vienna, Austria.

- 2006 - Saliani, A., Donalizio, M., Sdoia, S., Capo, R. (2006). Anxiety sensitivity in età evolutiva: dati di ricerca circa la relazione tra AS e vulnerabilità ai disturbi d'ansia e dell'umore. XIII Congresso Nazionale Della Società Italiana Di Terapia Comportamentale e Cognitiva. 27-29 ottobre, Napoli.
- 2006 - Gragnani A., Mancini F., Donalizio M., Sdoia S., Capo R., Strassil S., Buonanno C. (2006). Disturbo di Panico e Agorafobia: nuovi sviluppi nella comprensione dei fenomeni. Congresso Nazionale Della Società Italiana Di Terapia Comportamentale e Cognitiva. 27-29 ottobre, Napoli.
- 2005 - Ferlazzo F., Fagioli, S., Sdoia S. (2005). Goal switching contributes to the attentional blink effect. Conference of the European Society for Cognitive Psychology (ES COP), 31/08-03/09 Leiden, The Netherlands.
- 2005 - Sdoia S., Ferlazzo F., (2005). Evidence for a response selection independent inhibitory process in task switching. Conference of the European Society for Cognitive Psychology (ES COP), 31/08-03/09 Leiden, The Netherlands.
- 2005 - Sdoia S., Ferlazzo F., (2005). Componente di Inibizione legata alla Codifica dello Stimolo. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 18-20 settembre, Cagliari.
- 2004 - Ferlazzo, F., Di Nocera, F., Fagioli, S., Sdoia, S. (2004). Ruolo dei sistemi d'azione nella change blindness. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 18-20 Settembre, Sciacca.
- 2004 - Sdoia, S. (2004). Effetti della selezione della risposta nella genesi della backward inhibition e dello switch-cost. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 18-20 Settembre, Sciacca.
- 2004 - Sdoia S., Ferlazzo F., (2004) Response Selection and Backward Inhibition in the Switch Cost. EPOS Meeting. Unique and shared processing limitations in dual-task performance. May, 13-15th, Leiden, The Netherlands.
- 2003 - Sdoia, S., Ferlazzo, F. (2003). Affordance Modulation Of Object-Based Attention Effects. 13rd Conference of the European Society for Cognitive Psychology (ES COP), September 17-20, Granada (Es).
- 2003 - Fagioli, S., Sdoia, S., Ferlazzo, F. (2003). Effetti sopramodali e modalità specifici nell'inibizione di ritorno cross-modale. Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 22-24 Settembre, Bari.
- 2003 - Sdoia, S., Fagioli, S. e Couyoumdjian, A. (2003). "Effetti di emicampo visivo in compiti di localizzazione spaziale". Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 22-24 Settembre, Bari.
- 2002 - Sdoia, S. e Couyoumdjian, A. (2002). "Asimmetrie verticali di campo visivo nell'attenzione orientata agli oggetti". Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 16-18 Settembre, Bellaria-Rimini.
- 2002 - Lucido, S., Sdoia, S., Ferlazzo, F. (2002). "Modulazione dell'attentional blink in funzione del completamento del compito". Congresso Nazionale della Sezione di Psicologia Sperimentale (AIP), 16-18 Settembre, Bellaria-Rimini.

Other publications

- 2003 - Couyoumdjian, A., e Sdoia, S. (2003). Il rischio nella mente: dai modelli cognitivi alle differenze individuali. *Attualità in Psicologia*, 18(1-2), Edizioni Universitarie Romane.

Media coverage

Our last paper on Scientific Reports (Sdoia et al. 2019) published on 29 July 2019 has received high on line attention as indicated by 1219 on line accesses (source: <https://www.nature.com/articles/s41598-019-47527-4/metrics>; so far) and it has seen 36 tweets from 34 users, with an upper bound of 61,800 twitter followers. Also, it is in the 90th percentile of the 251,147 tracked articles of a similar age in all journals. Our recent research on reading improvement after tDCS on people with dyslexia has received extensive coverage in the national media on TV news, Radio news, web news and Newspapers (e.g., Rai News 30-03-2016, NOTIZIARIO h.20.30; Rai

RadioUno, 30-03-2016, GR1 h. 08.00; Corriere della Sera p.24, 30-03-2016; Il Tempo p.21, 30-03-2016; Il Messaggero.it:
http://salute.ilmessaggero.it/ricerca/dislessia_fondazione_santa_lucia_bambino_gesu-1638302.html;
Lastampa.it 29-03-2016; Corriere.it 29-03-2016)

Summary of Scientific Achievements

Product type	number	database	Start	end
Papers [international]:	18	Scopus	2004	2019
Books [teaching]:	1	--	2006	2006

Total Items: Scopus Database: 18

Total Impact Factor: 49.043

Average Impact Factor per Product: 2.725

Total Citations: SCOPUS database: 285; without self-citations: 273.

Average Citations per Product: SCOPUS database: 15.833

Hirsch (h) index: SCOPUS database: 8

Normalized h index: 0.533

Selected Publications

List of the publications selected for the evaluation

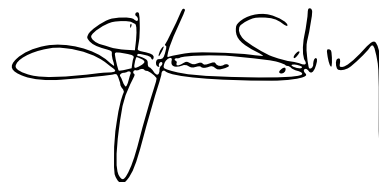
(Numero di Pubblicazioni selezionabili per la valutazione: non inferiore a 10 e non superiore a 15)

1. **Sdoia S**, Conversi D, Pecchinenda A, Ferlazzo F. (2019). Access to consciousness of briefly presented visual events is modulated by transcranial direct current stimulation of left dorsolateral prefrontal cortex. *Scientific Reports* 9, 10950 doi:10.1038/s41598-019-47527-4. Impact Factor: 4.011; num. citations: 0 (Scopus)
2. **Sdoia S**, Di Nocera F, Ferlazzo F. (2019). Memory for positional movements as a component of the visuospatial working memory. *Cognitive Processing*, 20:363–369, <https://doi.org/10.1007/s10339-019-00917-y>. Impact Factor: 1.233; num. citations: 0 (Scopus)
3. Cordellieri P, **Sdoia S**, Ferlazzo F, Sgalla R, Giannini A. M. (2019). Driving attitudes, behaviours, risk perception and risk concern among young student car-drivers, motorcyclists and pedestrians in various EU countries. *Transportation Research Part F – Traffic Psychology and Behaviour* 65, 56–67. <https://doi.org/10.1016/j.trf.2019.07.012>. Impact Factor: 2.360; num. citations: 0 (Scopus)
4. **Sdoia S**, Ferlazzo, (2016). Change is good: Inter-trial switching of target category improves attentional selection in time. *Acta Psychologica*, 164, 2016, 46–55, doi:10.1016/j.actpsy.2015.12.006. Impact Factor: 2.031; num. citations: 0 (Scopus)
5. Costanzo, F, Varuzza, C, Rossi, S, Sdoia, S, Varvara, P, Oliveri, M, Koch, G, Vicari, S, Menghini, D. (2016). Reading changes in children and adolescents with dyslexia after transcranial direct current stimulation. *Neuroreport*, 27, 5, 295-300, doi:10.1097/WNR.0000000000000536. Impact Factor: 1.395; num. citations: 17 (Scopus)
6. Costanzo F, Varuzza C, Rossi S, Sdoia S, Varvara P, Oliveri M, Giacomo K, Vicari S, Menghini D. (2016). Evidence for reading improvement following tDCS treatment in children and adolescents with Dyslexia. *Restorative Neurology and Neuroscience*, 34, 2, 215-226, doi: 10.3233/RNN-150561. Impact Factor: 2.526; num. citations: 19 (Scopus)

7. Foti F, **Sdoia S***, Menghini D, Vicari S, Petrosini L, Ferlazzo F. (2015). Out with the Old and in with the New--Is Backward Inhibition a Domain-Specific Process? *PLoS One*, 10(11):e0142613. doi: 10.1371/journal.pone.0142613. Impact Factor: 3.057; num. citations: 2 (Scopus)
* contributed equally to this work.
8. Foti F, **Sdoia S**, Menghini D, Mandolesi M, Vicari S, Ferlazzo F, Petrosini L. (2015). Are the deficits in navigational abilities present in the Williams syndrome related to deficits in the backward inhibition? *Frontiers in Psychology*, 6-287, doi: 10.3389/fpsyg.2015.00287. Impact Factor: 2.463; num. citations: 6 (Scopus)
9. Pitzalis S., **Sdoia S.**, Bultrini A., Committeri G., Di Russo F., Fattori P., Galletti C., Galati G. (2013) Selectivity to translational egomotion in human brain motion areas. *Plos One* 8(4):e60241. doi 10.1371/journal.pone.0060241. Impact Factor: 3.534; num. citations: 43 (Scopus)
10. **Sdoia S.**, Ferlazzo F. (2012). An inhibition effect in the temporal constrains of attentional selection: the Backward Blink. *Acta Psychologica*, 139, 3, 501-506, doi: 10.1016/j.actpsy.2012.01.005. Impact Factor: 2.206; num. citations: 3 (Scopus)
11. Ferlazzo F, **Sdoia S** (2012). Measuring Nepotism through Shared Last Names: Are We Really Moving from Opinions to Facts?. *Plos One*, 7, 8, e43574, doi:10.1371/journal.pone.0043574. Impact Factor: 3.730; num. citations: 5 (Scopus)
12. Di Russo F, Stella A, Spitoni G, Strappini F, **Sdoia S**, G. Galati, Hillyard Sa, Spinelli D, Pitzalis S (2012). Spatio-temporal brain mapping of spatial attention effects on pattern-reversal ERPs. *Human Brain Mapping*, 33, 6, 1334-1351, doi: 10.1002/hbm.21285. Impact Factor: 6.878; num. citations: 36 (Scopus)
13. Couyoumdjian A, **Sdoia S**, Tempesta D, G. Curcio, Rastellini E, De Gennaro L, Ferrara M (2010). The effects of sleep and sleep deprivation on task switching performance. *Journal Of Sleep Research*, 19, 1, 64-70, doi: 10.1111/j.1365-2869.2009.00774.x. Impact Factor: 3.361; num. citations: 66 (Scopus)

Rome, 22/11/2019

Stefano Sdoia

A handwritten signature in black ink, appearing to read 'Stefano Sdoia', with a large, stylized flourish at the end.