



# SWISS CENTER FOR

# AFFECTIVE SCIENCES

JANUARY 2021 – DECEMBER 2021



UNIVERSITÉ  
DE GENÈVE

SWISS CENTER FOR  
AFFECTIVE SCIENCES

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WE STUDY  
EMOTIONS

AND OTHER  
AFFECTIVE  
PHENOMENA



MAY I ASK  
HOW DOES  
THAT FEEL?





## 1. PREFACE

The Swiss Center for Affective Sciences has developed a stable structure that allows research, teaching, and outreach activities to regularly take place in order to promote knowledge among researchers and the general public concerning emotions and other affective phenomena.

The current activity report describes both the structure of the Center and the specific activities for the year 2021. We are particularly glad to report that 2021 was a very successful year for our community composed of 106 members, including 10 members of the administration, 8 members of the technical staff, 58 PhD students, 14 post-doctoral researchers, and 16 principal investigators organized around 15 research groups.

Thanks to our members, and to our facilities at the Brain and Behaviour Laboratory and at the Campus biotech, we published 110 peer-reviewed articles, book chapters, and books, and also obtained grants for an amount of approximately 1,5 million CHF. In terms of teaching, our members were mainly involved in Bachelor programs, Master programs and Doctoral schools in psychology, philosophy, neuroscience, psychiatry, political sciences, and finance. A major component of our education and training activities remains the Swiss Doctoral School in Affective Sciences with 58 members.





## 2. HISTORY AND AIMS

The Center was created in 2005 at the University of Geneva to host the *National Center of Competence in Research (NCCR) Affective Sciences* funded by the *Swiss National Science Foundation (SNSF)*.

In November 2013, the CISA moved to a new location, becoming the first unit of the University of Geneva to join the Campus Biotech.

In 2017, at the end of the NCCR Affective Sciences, the University of Geneva committed to support the continuity of the Swiss Center for Affective Sciences (CISA) and its corresponding positions.

The Center comprises research groups at the University of Geneva and associate members from other universities. They come from a wide range of disciplines, enabling a unique multi-disciplinary approach to the study of emotions. Neuroscientists, philosophers, psychologists, computer scientists, economists, and scholars from literature, the arts, and the humanities work together with the common objective of understanding emotions and their roles in cognition and behavior.

The Center develops methodologies and tools to study the neural, psychological, bodily and social underpinnings of emotion. Likewise, it carries out applied research in collaboration with public and private partners.

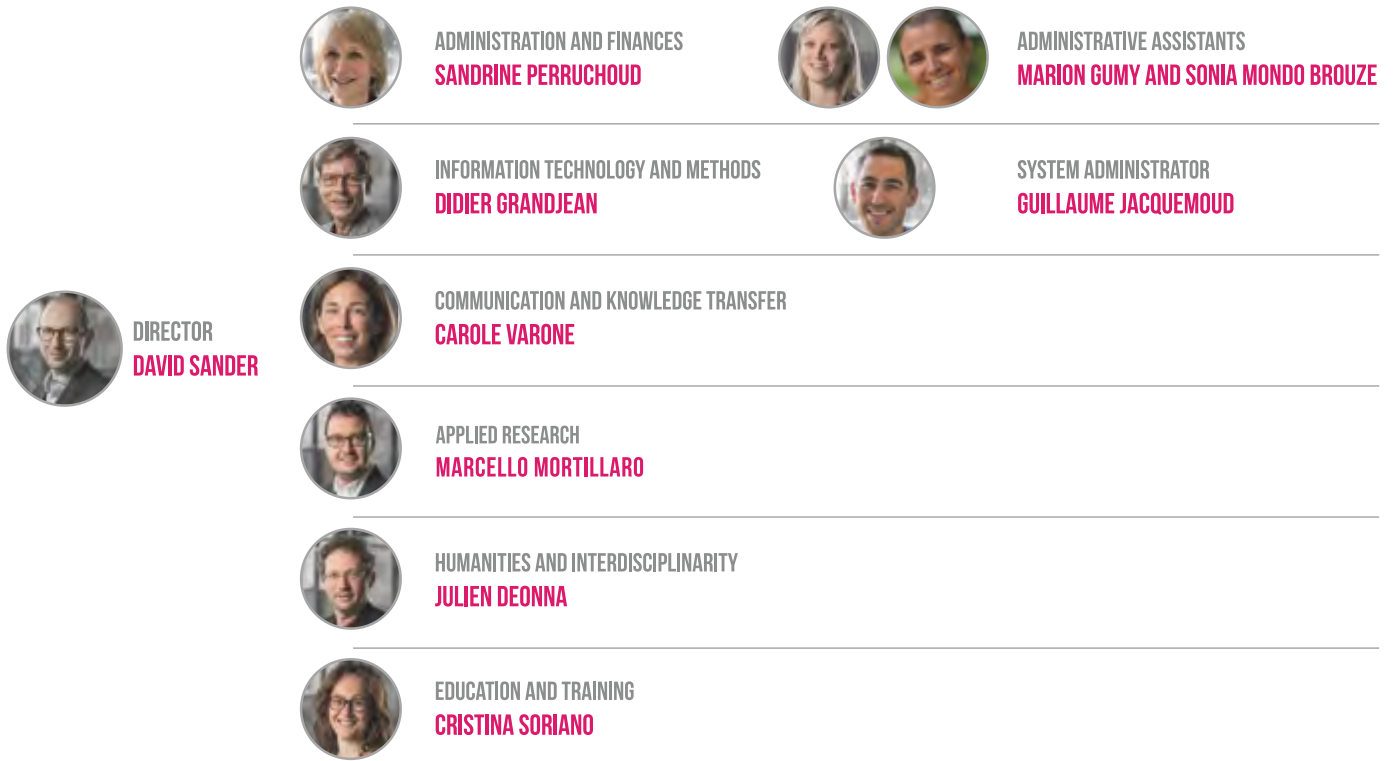
The Center is also a leading institution for doctoral and post-doctoral training. In addition, thanks to outreach activities such as festivals and museum exhibits, we cooperate with Swiss and international cultural institutions to better communicate to society at large our current knowledge about the most fascinating aspects of emotion.

IS THIS YOUR  
LATEST PAPER ON  
FACIAL EXPRESSION  
RECOGNITION?

NOPE. IT'S THE  
"WHO IS WHO"  
OF CISA 2021

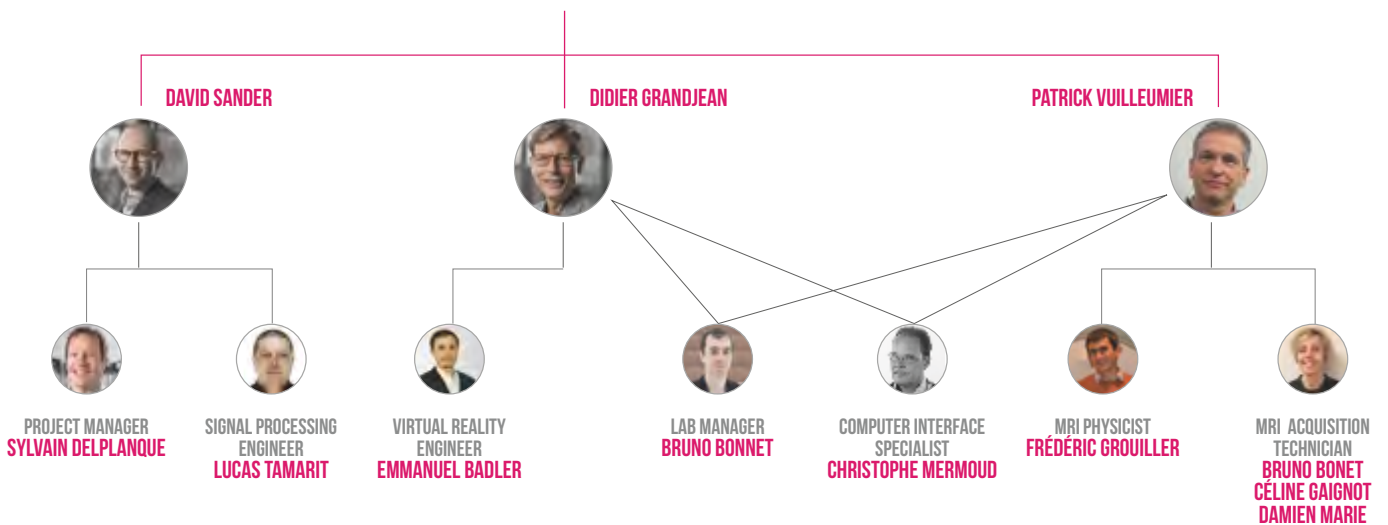


### 3. ORGANIZATION



#### CISA TECHNICAL POSITIONS FOR BBL

DIRECTORS : P. VUILLEUMIER ET D.SANDER  
STERRING BOARD : D. GRANDJEAN, C. MICHEL, S. SCHWARTZ



## 4. COLLABORATORS

*CISA members or collaborators are those with an employment contract, a fund at the Swiss Center for Affective Sciences, or the members of the Swiss Doctoral School or the postdoctoral program in the Affective Sciences, these criteria being sufficient, but not necessary.*

### 1.1. MANAGEMENT TEAM

SANDER DAVID, Professor, CISA Director  
DEONNA JULIEN A., Professor, in charge of Humanities and Interdisciplinary  
GRANDJEAN DIDIER, Professor, in charge of Computer and Internet Resources  
PERRUCHOUD SANDRINE, Administrator  
VARONE CAROLE, Officer, Communication and Knowledge Transfer  
MORTILLARO MARCELLO, Senior Scientist, Knowledge and Technology Transfer  
SORIANO SALINAS CRISTINA, Senior Researcher, Education and Training  
GUMY MARION, Administrative Assistant  
MONDO SONIA, Administrative Assistant  
JACQUEMOUD GUILLAUME, System Administrator

### 4.1. TECHNICAL STAFF

BADIER EMMANUEL, Virtual Reality Engineer  
BONET BRUNO, MRI Acquisition Technician  
GAINOT CÉLINE, MRI Acquisition Technician  
MARIE DAMIEN, MRI Acquisition Technician and Senior Researcher  
MERMOURD CHRISTOPHE, Computer Interface Specialist  
MEULEMAN BEN, Assistant Statistician  
TAMARIT LUCAS, Signal Processing Engineer  
TYRAND RÉMI, Engineer

### 4.2. PROFESSORS

BÉTRANCOURT MIREILLE  
BROSCH TOBIAS  
CORRADI-DELL'ACQUA CORRADO  
COVA FLORIAN  
DEONNA JULIEN  
GENTAZ EDOUARD  
GRANDJEAN DIDIER  
GRUBER THIBAUD  
PERRON JULIE  
PREUSCHOFF KERSTIN  
RIMMELE ULRIKE  
RUDRAUF DAVID  
SANDER DAVID  
SCHWARTZ SOPHIE  
TERONI FABRICE  
VUILLEUMIER PATRIK

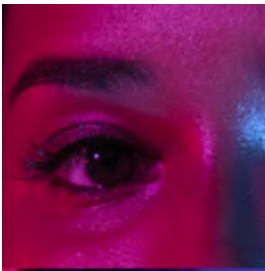


### 4.3. RESEARCH STAFF

ACHAIBOU AMAL, Postdoctoral Researcher  
BAEZ LUGO SEBASTIAN, PhD Student  
BALLARE ELIZABETH FERN, Postdoctoral Researcher  
BELLI OLIVIER, Postdoctoral Researcher  
BENIS DAMIEN, Postdoctoral Researcher  
BUCHHEIT FLORIAN, Assistant  
CABRERIZO PASTOR DAVID, Senior Researcher  
CARLSON HEATHER, PhD Student  
CERAVOLO LEONARDO, Senior Researcher  
CERNADAS CUROTTO PATRICIA, PhD Student  
CHEVAL BORIS, Senior Researcher  
COLL SELIM YAHIA, Postdoctoral Researcher  
CONTE BEATRICE, PhD Student  
DEBRACQUE CORALIE, Postdoctoral Researcher  
DELPLANQUE SYLVAIN, Senior Researcher  
DEZA ARAUJO YACILA ISABELA, Postdoctoral Researcher  
DUKES DANIEL, Postdoctoral Researcher  
ERDEMLI ASLI, PhD Student  
FILIPPA MANUELA, Senior Researcher  
FREIVOGEL STEPHAN, Assistant  
FROSSARD JAROMIL, Postdoctoral Researcher  
GAVIRIA LOPEZ GWLADYS, Senior Researcher  
GIARRIZZO ALESSIO, PhD Student  
GLOWINSKI DONALD, Senior Researcher  
GOMEZ TEIJEIRO LUCIA, Assistant  
GOUIRAN MANON, Assistant  
GROUILLER FREDERIC, MRI Physicist  
GUEDJ CAROLE, Postdoctoral Researcher  
GUYONNET-HENCKE TIMOTHE, Assistant  
HAHNEL ULF, Senior Researcher  
HERBERZ MARIO, PhD Student  
HERRMANN MELANIE, Postdoctoral Researcher  
KELLER ROBERTO, PhD Student  
LAGOMARSINO MARIA, Postdoctoral Researcher  
LEBRETON MAEL, Senior Researcher  
LOUED-KHENISSI LEYLA, Postdoctoral Researcher  
MAGNUS SMITH MARIANA, Senior Researcher  
MANNION KELLY, PhD Student

MAYR AUDREY, PhD Student  
MELLA-BARRACO NATHALIE, Senior Researcher  
MONNOR TEERAWAT, PhD Student  
MUMENTHALER CHRISTIAN, Senior Researcher  
MURRAY LINA, PhD Student  
OMBRATO MICHELE DAVIDE, PhD Student  
PAGEL LAURA, Assistant  
PENIC JUNGE SANDRA, Senior Researcher  
POOL EVA, Senior Researcher  
REBOURG ANTOINE, PhD Student  
SALEM GARCIA NAHUEL ANTONIO, PhD Student  
SCHOR MAGALIE, PhD Student  
SELOSSE GARANCE, PhD Student  
SERGEANT GREGOIRE, Postdoctoral Researcher  
SPAMPATTI TOBIA, PhD Student  
STERPENICH VIRGINIE, Senior Researcher  
STUSSI YOANN, Postdoctoral Researcher  
TISSERAND YVAIN, Senior Researcher  
UENAL FATIH, Postdoctoral Researcher  
VARUTTI MARZIA, Senior Researcher  
VAZARD JULIETTE CAMILLE, PhD Student  
VOELKER JULIANE, Postdoctoral Researcher  
VOLLET JACQUES-HENRI, Postdoctoral Researcher  
WUENSCH LAVINIA, PhD Student  
ZAVLANOU CHRISTINA, Assistant





**DOCTORAL STUDENTS IN OUR SCHOOL ARE DIVIDED INTO TWO CATEGORIES: THOSE SUPERVISED BY UNIGE PROFESSORS AT THE SWISS CENTER OF AFFECTIVE SCIENCES AND THOSE SUPERVISED BY PROFESSORS FROM OTHER INSTITUTIONS.**



#### 4.4 SWISS DOCTORAL SCHOOL IN AFFECTIVE SCIENCES

*Doctoral students supervised by UNIGE professors at the Swiss Center of Affective Sciences*

ABATISTA ANGELA, PhD Student,  
*Emotions eudémoniques et philosophie du bien-être,*  
supervised by Prof. Florian Cova  
(University of Geneva)

BAEHNI AGNÈS, PhD Student,  
*Relating Morally to Oneself,*  
supervised by Prof. Julien Deonna  
(University of Geneva) & Fabrice Teroni  
(University of Geneva)

BAEZ SEBASTIAN, PhD Student,  
*Brain mechanisms underlying socio-emotional reactivity: a biomarker for healthy aging?,*  
supervised by Prof. Patrik Vuilleumier  
(University of Geneva) & Prof. Olga Klimecki  
(University of Geneva)

BOGACZ FRANCOIS, PhD Student,  
*the influence of emotions in negotiation and mediation and more precisely the possible influence of affective and social signals in mediation, including online mediation,*  
supervised by Prof. Olga Klimecki  
(University of Geneva)

BONARD CONSTANT, PhD Student,  
*Meaning and Emotion* (defended thesis in February 2021),  
supervised by Prof. Julien Deonna  
(University of Geneva) and Prof. Bence Nanay  
(University of Antwerp).

BOUZIDI YANN, PhD Student,  
*Volition, affect and effort,*  
supervised by Prof. Guido H.E. Gendolla  
(University of Geneva)

CARLSON HEATHER, PhD Student,  
*Aftermath of Valence and Arousal in Odors* (defended thesis in June 2021),  
supervised by Prof. Patrik Vuilleumier  
(University of Geneva)

CERNADAS PATRICIA, PhD Student,  
*Investigating how emotions, and emotion regulation interventions change conflict-related social interactions,*  
supervised by Prof. David Sander  
(University of Geneva)

CHAPPUIS CYRIELLE, PhD Student,  
*Voice and first impression formation: the role of context and vocal parameters in person perception* (defended thesis in July 2021),  
supervised by Prof. Didier Grandjean  
(University of Geneva)

CONTE BEATRICE, PhD Student,  
*Cognitive, affective and behavioral dynamics of sustainable decision-making,*  
supervised by Prof. Tobias Brosch  
(University of Geneva)

ERDEMLI ASLI, PhD Student,  
*The neural representation of epistemic curiosity,*  
supervised by Prof. David Sander  
(University of Geneva)

FALK JOHANNA, PhD Student,  
*Affective Influences on Goal Pursuit and the Moderating Role of Deliberation,*  
supervised by Prof. Guido Gendolla  
(University of Geneva)





FRITZ MATTIA, PhD Student,  
*Emotions in Computer-Supported Collaborative Learning: the influence of Emotional Awareness Tools*, supervised by Prof. Mireille Bétrancourt (University of Geneva)

FUHRER JOFFREY, PhD Student,  
*Life is pretty meaningful. An experimental and theoretical approach to study meaning in life: intuitions, emotions, measures, and concept*, supervised by Prof. Florian Cova (University of Geneva)

GAVIRIA JULIAN, PhD Student,  
*Dynamic functional brain correlates of negative emotions and their interactions with executive control* (defended thesis in March 2021), supervised by Prof. Patrik Vuilleumier (University of Geneva)

GIARRIZZO ALESSIO, PhD Student,  
*Apprentissage et compétences au travail, en formation et dans les organisations*, supervised by Prof. Nathalie Delobbe (University of Geneva)

GRADI NAÏMA, PhD Student,  
*Effectiveness of a 6-week in-home gamified attentional control training versus casual video game training on typically-developing adolescents with high anxiety*, supervised by Prof. Daphne Bavelier (University of Geneva) & Prof. Swann Pichon (HEdS Geneva)

HERBERZ MARIO, PhD Student,  
*Motivational and cognitive determinants of sustainable consumer behavior in the mobility domain and beyond*, supervised by Prof. Tobias Brosch (University of Geneva)

HUMBERT-DROZ STEVE, PhD Student,  
*Modes of imagining – a taxonomy of imagination in the light of mode/content distinction*, supervised by Prof. Fabrice Teroni (University of Geneva)

KELLER ROBERTO, PhD Student,  
*Corrective Concepts*, supervised by Prof. Fabrice Teroni (University of Geneva) and Prof. Conor McHugh (University of Southampton)

LEGENDRE GUILLAUME, PhD Student,  
*I sleep but I feel, the role of affects in sensory processing during sleep* (defended thesis in August 2021), supervised by Prof. Sophie Schwartz (University of Geneva)

MAYR AUDREY, PhD Student,  
*Intégration des aspects prosodiques et émotionnels*, left in March 2021, supervised by Prof. Didier Grandjean (University of Geneva)

MAZERES FLORENCE, PhD Student,  
*The impact of the achievement motivation on effort mobilization*, supervised by Prof. Guido Gendolla (University of Geneva)

MERTENS STÉPHANIE, PhD Student,  
*The Behavioral and Cognitive Effects of Attribute Translations on Consumer Decision Making in the Energy Domain*, supervised by Prof. Tobias Brosch (University of Geneva)

MONNOR TEERAWAT, PhD Student,  
*Predicting human emotions and approach-avoidance behaviors as mediated by social perspective taking in virtual reality using artificial agent modeling based on the Projective Consciousness Model*, supervised by Prof. David Rudrauf (University of Geneva)

DAVID MUNOZ TORD, PhD Student,  
*Neural underpinnings of ‘wanting’ and ‘liking’ components of human reward processing: How these altered affective abilities can contribute to a vicious circle of food over-consumption in obesity,* supervised by Prof. Géraldine Coppin (Swiss Distance University Institute) & Prof. David Sander (University of Geneva)

MURRAY LINA, PhD Student,  
*Impact de l’émotion sur la mémoire spatiale: investigations comportementales et neuropsychologiques,* supervised by Prof. Didier Grandjean (University of Geneva)

OMBRATO MICHELE DAVIDE,  
PhD Student,  
*Emotion, Agency and Time,* supervised by Prof. Julien Deonna (University of Geneva)

PANTELEEVA YULIA, PhD Student,  
*Music and emotional states: The role of episodic memories,* supervised by Prof. Didier Grandjean (University of Geneva) and Dr. Grazia Ceschi (University of Geneva)

QIAO EMILIE, PhD Student,  
*Effects of Emotions on Social Cognition* (defended thesis in September 2021), supervised by Prof. Patrik Vuilleumier (University of Geneva)

REBOURG ANTOINE, PhD Student,  
*On Strength of Will,* supervised by Prof. Julien Deonna (University of Geneva)

RICHARD JEANNE, PhD Student,  
*Food valuation, inhibition and emotion regulation in individuals with healthy weight, overweight and obesity: How do these affective and cognitive processes interact?,* supervised by Prof. Géraldine Coppin

(Swiss Distance University Institute) and Prof. David Sander (University of Geneva)

SALEM NAHUEL, PhD Student,  
*Computational and neural mechanisms of decision-making in humans: valence biases in choice and confidence,* supervised by Dr. Maël Lebreton (University of Geneva)

SCHOR MAGALIE, PhD Student,  
*A Performance Epistemology of Emotions,* supervised by Prof. Fabrice Teroni (University of Geneva) and Prof. Julien Deonna (University of Geneva)

SCHÖPFER CÉLINE, PhD Student,  
*The different philosophical and psychological conceptions of “critical thinking”* (University of Geneva), supervised by Prof. Florian Cova (University of Geneva).

SELOSSE GARANCE, PhD Student,  
*Influence of peripheral information on behavioural and spatio-temporal neural mechanisms of vocal emotion production and perception,* supervised by Prof. Didier Grandjean (University of Geneva)

SOOTER NINA, PhD Student,  
*Stress, Honesty and Decision-Making: Investigating if and how stress impacts compliance with moral codes of conduct in favor of selfish interests,* supervised by Prof. Didier Grandjean (University of Geneva)

SPAMPATTI TOBIA, PhD Student,  
*How information processing and motivated information search shape beliefs, emotions, and decisions concerning renewable energies in Switzerland,* supervised by Prof. Tobias Brosch (University of Geneva) and Dr. Ulf Hahnel (University of Geneva)





TAN MI XUE , PhD Student,  
*Dynamic brain networks mediating  
componential representations of  
emotions,*  
supervised by Prof. Patrik Vuilleumier  
(University of Geneva)

TARDITI JOZ-ROLAND CÉLINE,  
PhD Student,  
*Mécanismes neuro-cognitifs de l'acti-  
vation des valeurs,*  
supervised by Prof. Tobias Brosch  
(University of Geneva)

VAZARD JULIETTE, PhD Student,  
*The Anxious Inquirer: Emotions and  
Epistemic Uncertainty* (defended thesis  
in July 2021),  
supervised by Prof. Julien A. Deonna  
(University of Geneva)

WANG CHEN, PhD Student,  
*Dyadic Impression Recognition  
From Multimodal Bodily Responses,*  
supervised by Dr. Guillaume Chanel  
(University of Geneva)

WUENSCH LAVINIA, PhD Student,  
*Individual differences in reward-seeking  
behaviors,*  
supervised by Prof. David Sander  
(University of Geneva)

ZAHARIA ALEXANDRA, PhD Student,  
*Board games focused on emotion-  
al competences: promoting positive  
emotions and emotion regulation skills  
in adolescents,*  
supervised by Prof. Andrea Samson  
(University of Fribourg) and Prof. David  
Sander (University of Geneva)

### *Doctoral students supervised by professors from other institutions*

BLATTER JONAS, PhD Student,  
*The Ethics of Emotions,*  
supervised by Prof. Dr. Andreas Müller  
(University of Bern)

CAMASSA MANUEL, PhD Student,  
*The Shared World. On the Power and  
Limits of Empathy,* (defended thesis in  
November 2021),  
supervised by Prof. Dr. Martin  
Hartmann (Universität Luzern) and  
Prof. Dr. Jan Slaby (Freie Universität  
Berlin)

DIAZ RODRIGO, PhD Student,  
*Experimental philosophy of emotion*  
(defended thesis in January 2021),  
supervised by Prof. Kevin Reuter  
(University of Zurich) and Prof. Claus  
Beisbart (University of Bern)

GAMAIUNOVA LIUDMILA,  
PhD Student,  
*Les pratiques contemplatives enracinées  
dans le bouddhisme et la réponse au  
stress : Une étude de méthode mixte,*  
supervised by Prof. Pierre-Yves Brandt  
(University of Lausanne) and Prof.  
Matthias Kliegel (University of Geneva)

GEHRINGER CAROL, PhD Student,  
*Argumentation and multimodal  
communication between children and  
educator in apprenticeship,*  
supervised by Prof. Fabrice Clement  
(University of Neuchatel)

KOSTRZ MARIE, PhD Student,  
*The collective emotions generated by  
the population displacement policies  
enforced in Syria since 1963,*  
supervised by Prof. Anna Leander  
(IHEID)

MARI MAGALI , PhD Student,  
*The nature and acquisition of social schemata,*  
supervised by Prof. Fabrice Clément  
(University of Neuchatel)

HEIDY MERISTE, PhD Student,  
*In defense of a unified account of guilt,*  
supervised by Prof. Margit Sutrop  
(University of Tartu)

OUELLETTE-DUBE MAUDE,  
PhD Student,  
*The importance of attention and compassion in ethics,*  
supervised by Prof. Jean-Claude Wolf  
(University of Fribourg)

PETSCHEN ADRIAN, PhD Student,  
*A study of the structural causes of human curiosity,*  
supervised by Prof. Fabrice Clément  
(University of Neuchatel)

RAYATDOOST SOHEIL, PhD Student,  
*Computational Understanding of the Interaction between Facial Expressions and Electroencephalogram (EEG) Signals for Emotion Recognition* (defended thesis in February 2021),  
supervised by Prof. Mohammad Soleymani (USC Institute for Creative Technologies)

SOMMER NILS, PhD Student,  
*Emotional competences and their impact on wellbeing and social interactions,*  
supervised by Dr. Katja Schlegel  
(University of Bern)

STALLMANN LINA, PhD Student,  
*Social Emotion Regulation in People with Autism Spectrum Disorder and the Use of Virtual Reality,*  
supervised by Prof. Andrea Samson  
(University of Fribourg)

TREICHEL NOÉMIE, PhD Student,  
*The appreciation and comprehension of humor in neurodevelopmental disorders - Williams syndrome, autism spectrum disorder and intellectual disabilities,*  
supervised by Prof. Andrea Samson  
(University of Fribourg)



## 5. ASSOCIATE MEMBERS

*Associate members are researchers from the University of Geneva or from outside the University of Geneva who are associated with the activities of the Swiss Center for Affective Sciences, without having a regular activity there.*

### 5.1 PROFESSORS

BAVELIER DAPHNÉ  
BONDOLFI GUIDO  
CALDARA ROBERTO  
CEVA EMANUELA  
CLEMENT FABRICE  
COPPIN GÉRALDINE  
D'ARGEMBEAU ARNAUD  
ELFERING ACHIM  
ELIEZ STÉPHAN  
FAVEZ NICOLAS  
FEHR ERNST  
FRÜHHOLZ SASCHA  
GENDOLLA GUIDO  
GIBSON BRANDON RAJNA  
HALPERIN ERAN  
HARE TODD  
HUG SIMON  
KAUFFMANN LAURENCE  
KLIEGEL MATTHIAS  
KNOCH DARIA  
MALLET LUC  
MASSIN OLIVIER  
MEYLAN ANNE  
MOLINARI GAËLLE  
MOORS AGNES  
NELIS DAMIEN  
PICHON SWANN  
POURTOIS GILLES  
SAUTER DISA  
PUN THIERRY  
SAMSON ANDREA  
SCHERER KLAUS  
SCHMID MAST MARIANNE  
SCHWEINBERGER STEFAN  
TOBLER PHILIPPE  
TRAN VÉRONIQUE

### 5.2 RESEARCH STAFF

AUDRIN CATHERINE, Senior researcher  
BRESSOUD NICOLAS, Researcher  
CHANEL GUILLAUME, Senior Researcher  
CESCHI GRAZIA, Senior Researcher  
FRÜHHOLZ SASCHA, Senior Researcher  
GOFFIN KRIS, Post-doctoral Researcher  
IGLOI KINGA, Senior Researcher  
KAELIN WOLFGANG, Post-doctoral Researcher  
KLIMECKI-LENZ OLGA, Senior researcher  
LACK JEREMY, Lawyer and mediator  
LEITO JOANA, Post-doctoral Researcher  
MUSZYNSKI MICHAL, Post-doctoral Researcher  
PIGUET CAMILLE, Privat Dozent  
WITH STÉPHANE, Senior Researcher



## 6. FINANCIAL RESSOURCES

### 6.1 DIP BUDGET 2021

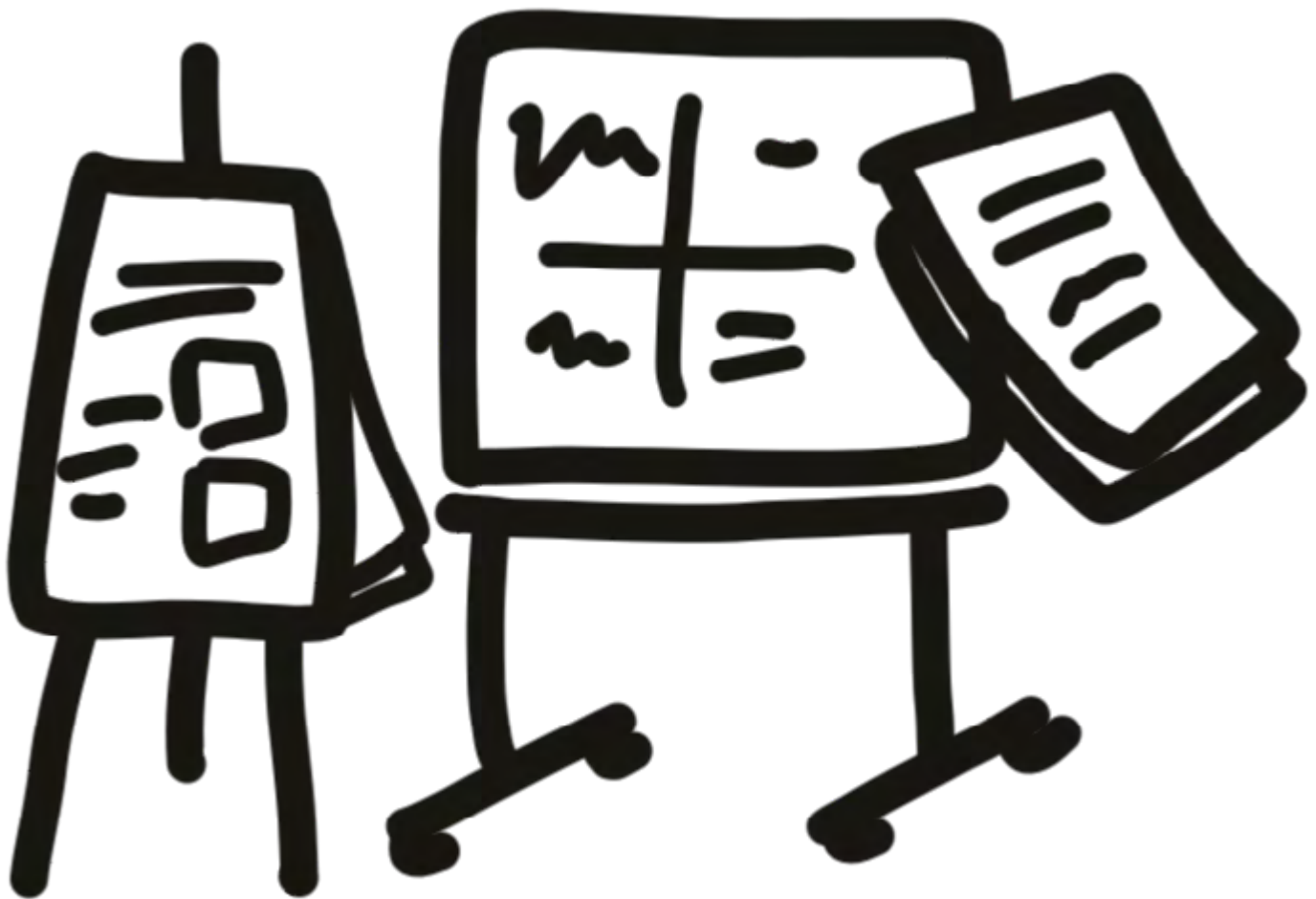
STAFF	2021
<i>Academic</i>	536 935.00
<i>Scientific and Technical</i>	1 038 357.00
<i>Administrative</i>	269 448.00
<b>TOTAL STAFF</b>	<b>1 844 740.00</b>
<i>Employer's social contributions</i>	421 445.00
<b>TOTAL STAFF CONTRIBUTIONS INCLUDED</b>	<b>2 266 185.00</b>
<i>Operating cost - Others</i>	156 885.00
<i>Operating cost - Investment</i>	25 100.00
<b>TOTAL</b>	<b>2 448 170.00</b>

### 6.2 GRANTS 2021

NEW EXTERNAL FUNDING OBTAINED BY CISA RESEARCHERS	2021
<i>Swiss Government funded Projects</i>	789 461.00
<i>Other Projects</i>	737 000.00
<b>TOTAL EXTERNAL FUNDING</b>	<b>1 526 461.00</b>
TOTAL AMOUNT RECEIVED FOR NEW AND ONGOING PROJECTS	2021
<i>Swiss Government funded Projects</i>	2 064 937.75
<i>Other Projects</i>	1 036 659.32
<b>TOTAL AMOUNT RECEIVED</b>	<b>3 101 597.07</b>

## 7. PRESENTATION OF RESEARCH GROUPS

The different scientific research groups lead by the Professor of the Center mentioned in 4.3 are described below. The Research Groups aim is to provide a better understanding of affective phenomena (e.g., emotions, motivations, moods, stress, well-being) from various research perspectives and multiple levels of analysis. With its scientists stemming from various backgrounds such as psychology, philosophy, economics, political science, psychiatry, neuroscience, education, sociology, literature, history, and religious and social anthropology, the Center places a particular emphasis on the interdisciplinary and integrative collaboration between these different domains of research.





## 7.1

### INFORMATION TECHNOLOGY AND LEARNING PROCESSES (TECFA)

#### PROFESSOR MIREILLE BETRANCOURT



Research at TECFA covers a broad field of studies, such as cognitive, social and affective implications of information and communication technologies. Research is led on the use of digital technologies in learning situations and their impact on cognitive and socio-cognitive processes. They are conducted from an educational perspective (impact on the processes and results of learning) and from an ergonomic perspective to optimize person-machine interactions.

During this period, three research programs have been pursued, with the aim of empirically investigating:

- Multimedia learning
- Collaborative writing and argumentative writing environments
- Ergonomics of training systems, and more broadly of information systems

<http://tecfa.unige.ch/perso/mireille/>

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## 7.2

### CONSUMER DECISION & SUSTAINABLE BEHAVIOR LAB (CDSB)

#### PROFESSOR TOBIAS BROSCH



Developing a more sustainable lifestyle is one of the most pressing tasks facing our planet and its inhabitants. Combining approaches from psychology, affective sciences, behavioral economics, and neuroscience, our research group aims to contribute to this challenge by trying to understand the mechanisms that drive decisions and behaviors related to sustainability.

During this period, five research programs have been pursued, with the aim of empirically investigating:

- The role of emotion in sustainable action
- The role of ideology in climate change perception
- The impact of multiple values on sustainable action
- The role of information processing in sustainability-related judgments
- The potential of nudging strategies to promote sustainable decisions

<https://www.unige.ch/fapse/decisionlab/>

### 7.3

## THEORY OF PAIN LABORATORY (TOPLAB)

### PROFESSOR CORRADO CORRADI DELL'ACQUA



The main goal of this research group is to investigate the processes underlying the diagnosis of people's pain. This line of research is at the crossroads of several subdisciplines in experimental psychology and neuroscience (affective processing, embodied cognition, decision making, theory of mind, etc.) and combines different methodological approaches (behavioral, neuroimaging, etc.)

During this period, five research programs have been pursued:

- The role of healthcare training in the appraisal and management of others' pain
- The role of uncertainty in the representation of one's and others' pain
- The role of cognitive fatigue in the appraisal of others' pain.

<https://www.unige.ch/fapse/toplab/>

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### 7.4

## EMPEIRIA - THE GENEVA RESEARCH GROUP IN EXPERIMENTAL PHILOSOPHY

### PROFESSOR FLORIAN COVA



Empeiria is a research group dedicated to the development of empirical and experimental approaches to traditional philosophical problems. As such, most of its activities fall into the domain of experimental philosophy, a field at the intersection of philosophy and cognitive sciences. Research topics include the meaning of life, free will, philosophy of art and moral philosophy.

During this period, eight research programs have been pursued, with the aim of empirically investigating:

- The different families of positive emotions.
- The psychological underpinnings of feelings of “depth” and “profundity”
- The role of positive emotions in intuitions about the meaning of life
- Laypeople's conceptions about the meaning of life
- The role of positive emotions in philanthropic behaviour
- Folk intuitions about free will and moral responsibility
- The nature of “critical thinking” and its potential downsides
- Attitudes and irrational beliefs in the context of the COVID-19 pandemic

<https://sites.google.com/site/floriancova>

## 7.5 THUMOS

### PROFESSOR JULIEN DEONNA AND PROFESSOR FABRICE TERONI



Thumos' research activities are in the philosophy of emotions and values, with a special interest in the relations between emotions and values.

During this period, three research programs have been pursued:

- Feel Bad, Live Well ! The Value of Negative Emotions for Well-being. Examination of the role of negative emotions in well-being
- Knowledge, Action, and Factive Mental States. What is the relation between mental states and truth?
- Modes and Contents. What are the respective contributions of psychological attitudes (remembering, imagining, emoting, etc.) and content (what one remembers, imagines or emotes) to the correctness conditions of psychological states?

<https://www.unige.ch/lettres/philo/recherche/thumos/accueil>

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## 7.6 SENSORIMOTOR AFFECTIVE AND SOCIAL DEVELOPMENT PSYCHOLOGY (SMAS)

### PROFESSOR EDOUARD GENTAZ



The main objective of the Laboratory for Sensorimotor, Affective and Social Development is to better understand the development of sensorimotor, affective and social competences in typical and atypical people, from birth through to the end of adolescence. This research is centred not only on theory, but also practical outcomes, such as booklets for parents, educational methods, and working with visually impaired people.

During this period, two research programs have been pursued, with the aim of empirically investigating:

- Social-emotional development
- Early development of emotions

<https://www.unige.ch/fapse/sensori-moteur/>

7.7

## NEUROSCIENCE OF EMOTIONS AND AFFECTIVE DYNAMICS (NEAD)

PROFESSOR DIDIER GRANDJEAN



Neuroscience of Emotions and Affective Dynamics (NEAD)

The researchers of the NEAD group investigate psychological and brain processes related to emotional processes, especially in the auditory domain. We use functional Magnetic Resonance Imaging (fMRI), electroencephalography, and peripheral measures such as electromyography and skin conductance in our studies.

During this period, five research programs have been pursued, with the aim of empirically investigating:

- Psychological and brain mechanisms of emotional prosody perception and integration with semantic information
- Psychological, peripheral, and brain mechanisms of emotional prosody production
- Comparative approach of emotional vocalizations in human and non-human primates
- Positive impacts of maternal and paternal vocalizations on newborns
- Music and emotion
- Spatial navigation and emotion

<https://www.unige.ch/fapse/neuroemo/people>

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7.8

## ECOLOGY COGNITION COMMUNICATION EMOTION (ECCEPAN LAB)

PROFESSOR THIBAUD GRUBER



Ecology Cognition Communication Emotion (ECCEPAN LAB)

The Ecology Cognition Communication Emotion Lab (eccePAN Lab) investigates the evolutionary origins of human cultures. We study how our cognition evolved to allow us to display unrivalled cultures in the animal realm. We focus especially on social learning as well as communication processes. We conduct our work in the wild in Uganda with chimpanzees, and in human populations cross-culturally.

During this period, four research programs have been pursued, with the aim of empirically investigating:

- Interaction between cognition and ecology in wild chimpanzee tool use
- Impact of ecology and environmental change in non-human behavior
- Socio-emotional aspects of learning and communication in non-human and human primates
- Evolutionary origins of human language

<https://www.unige.ch/fapse/eccePAN/en>

7.9

## CLINICAL AND EXPERIMENTAL NEUROPSYCHOLOGY LABORATORY (CENLAB)

### PROFESSOR JULIE PERON



The objective of the Clinical and Experimental Neuropsychology laboratory is to improve the quality of life of people living with neuropsychological syndromes. To do so, we pursue two lines of research: i) to increase knowledge of the cerebral bases of cognition, emotion and behavior, and (ii) improve the evaluation and rehabilitation of these processes.

During this period, 4 major research programs have been pursued, with the aim of empirically investigating the neuropsychological effects (including affective deficits) of cerebellar stroke (project 1) and long-COVID-19 (project 2).

- Project 1 : Neuropsychology of habit : For a decade now, we have been pursuing a new line of research on what we have called “The neuropsychology of habit”, investigating the functional specialization and integration of the basal ganglia-cerebellar network during sensorimotor, cognitive and emotional processes (Swiss National Foundation 2019 to 2023 – Grant N°: 105314\_182221 to Prof. Péron).
- Project 2 : Neuropsychological deficits in long COVID after severe, moderate or mild infection : The ongoing COVID-COG project features an exhaustive psychometrically and psychiatrically validated methodology, as well as MRI, olfactory and neurological assessments, administered to patients 6-9 months post COVID-19 (Swiss National Foundation NRP 78 2020 to 2022 – Grant N°: 4078Po\_198438 to Prof- Péron and Prof. Assal).

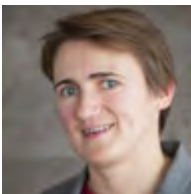
<http://cenlab.ch/>

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7.10

## NEUROSCIENCE IN FINANCE AND ECONOMICS (NIFE LABORATORY)

### PROFESSOR KERSTIN PREUSCHOFF



Our research in Neuroeconomics and Neurofinance focuses on decision making under uncertainty. This highly interdisciplinary work covers theoretical and experimental aspects of decision making and risk taking and unites neuroscience, financial economics, computational neuroscience and psychology. We primarily employ behavioral studies, computational modelling and functional MRI to study how humans make (financial) decisions in an uncertain world.

<https://www.unige.ch/gsem/en/research/faculty/all/kerstin-preuschoff/>

7.11

## EMOTION AND MEMORY LABORATORY

PROFESSOR ULRIKE RIMMELE



The Emotion and Memory Laboratory examines how emotions, stress and their regulation influence human memory across the life span.

Currently, the laboratory develops three major research programs. Using a multi-method approach (behavioral methods, physiology, pharmacology, neuro-imaging and virtual reality), these research programs investigate empirically:

- The behavioural and neural mechanisms of emotion and stress' modulation on learning and memory
- The role of emotion and stress on the construction of memories in children, adolescents, young, middle-aged and older adults
- The influence of emotion regulation strategies on making and changing memories.

In addition to the research aims above we examine:

- how emotional memories may be altered using different interventions.

<https://www.unige.ch/fapse/emotion-and-memory>

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7.12

## LABORATORY OF MULTIMODAL MODELLING OF EMOTION & FEELING (MMEF LAB)

PROFESSOR DAVID RUDRAUF



We study human consciousness as an embodied cybernetic process integrating mechanisms of perspective taking and emotional dynamics for appraisal and motivation, its relationships to typical and atypical behaviors, and its role in learning and resilience, at the individual and intersubjective levels. We use virtual reality, psychophysiology, computational modeling and robotics.

During this period, six main research programs have been pursued, with the aim of investigating:

- The role of conscious perspective taking in appraisal, emotion and approach-avoidance behaviours
- The modelling and evaluation of typical and atypical behaviours using virtual humans and robots
- The development of virtual humans with advanced emotion expressions
- The use of virtual reality to mitigate anxiety and pain during emergency care in children
- The use of virtual reality to train soft skills in police officers
- The use of virtual reality to promote sustainable behaviours

7.13

## LABORATORY FOR THE STUDY OF EMOTION ELICITATION AND EXPRESSION (E3 LAB)

### PROFESSOR DAVID SANDER



Research in the Laboratory for the study of Emotion Elicitation and Expression investigates the cognitive mechanisms involved in the appraisal of relevant stimuli, and how these processes elicit emotions, and modulate perception, attention, learning, memory, and decision-making.

Currently, five major research programs are developed. These research programs aim at empirically investigating:

- The nature and function of relevance detection in emotion elicitation
- Appraisal-driven facial expression of emotion
- Mechanisms underlying emotional attention
- Mechanisms underlying emotional learning and memory
- Emotional processing of olfactory stimuli
- Bidirectional links between emotions and food intake

<https://www.unige.ch/fapse/e3lab/>

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7.14

## SLEEP AND COGNITION LABORATORY

### PROFESSOR SOPHIE SCHWARTZ



The Sleep and Cognition Lab investigates how experience shapes our minds. Specifically, using behavioral and brain measures, we study how emotions and recent memories are integrated into complex representations, during wakefulness as well as during sleep and dreaming.

During this period, we have been working on the following research programs:

- Processing of emotions during sleep and dreams, and relationship with daytime emotional responses and mental health
- Effects of cognitive load and sleep deprivation on pain processing
- Neural coding of memories in space and time
- Impact of screen use and morning school hours on sleep, cognition, and emotion in adolescents
- Effects of physical exercise on memory and neural plasticity
- Processing of odor valence during sleep and influence of odors on sleep.

<https://neurocenter-unige.ch/research-groups/sophie-schwartz/>

## PROFESSOR PATRIK VUILLEUMIER



We investigate the functional mechanisms and brain circuits implicated in the generation and regulation of emotions, in healthy people as well as in neurological or psychiatric diseases. Using neuroimaging methods (MRI and EEG), we seek to understand the role of different brain regions (e.g. amygdala), how they dynamically influence each other, and how they influence cognition, behavior, and mood.

During this period, we pursued the following research programs:

- Identify the cerebral organization of emotional components and their functional interactions during emotional episodes
- Determine the temporal dynamics of amygdala activity with intracranial EEG
- Characterize long-lasting changes in brain activity patterns after transient emotions and their link to emotion regulation abilities
- Develop naturalistic emotion elicitation paradigms with first-person games and virtual reality scenarios
- Study neural mechanisms of visual attention including modulation by affective factors and reward and disorders after brain damage
- Develop and investigate neurofeedback protocols with real-time fMRI and EEG to self-regulate brain activity
- Reveal the effect of emotion and stress hormones on memory consolidation
- Identify changes in specific brain network and their dynamics during changes of mood states in patients with depression and bipolar disorder

<https://www.unige.ch/medecine/neuf/en/research/grecherche/patrik-vuilleumier/>



## 8. EDUCATION AND TRAINING (E&T) PROGRAM

<b>Head:</b>	DR. CRISTINA SORIANO
<b>Administrative coordination:</b>	MS. MARION GUMY
<b>Doctoral student representative:</b>	MS. ALEXANDRA ZAHARIA
<b>Postdoc representative:</b>	DR. BEN MEULEMAN

The E&T program at CISA is in charge of organizing education and training events for the researchers of the Center and for the general public. It is also responsible for the Swiss Doctoral School in Affective Sciences and the CISA Postdoctoral Program, currently enrolling 43 doctoral and 24 postdoctoral researchers. The program also supports the activities of the group of advanced researchers “Peers”, comprising current CISA members and alumni.

The Swiss Doctoral School in Affective Sciences provides complementary interdisciplinary training in the affective sciences to doctoral researchers from 5 Swiss universities (a majority of them from UNIGE) and to several foreign associate members. In addition to training, it offers them a faculty and a peer mentoring program, financial support to attend scientific events, personalized career support, professional networking opportunities, and a rich flow of information concerning conferences, grants, job offers and other relevant events for the affective community. The doctoral program was founded in 2005. It was originally funded by the NCCR Affective Sciences until 2013 and then by Swissuniversities until the end of 2021.

The E&T program implements top-down as well as bottom-up approaches for activity design, and a quality control program. The team counts with a representative from the doctoral and the post-doctoral community. The doctoral program is also supported by an interdisciplinary scientific advisory board including faculty from 5 Swiss universities (Geneva, Lausanne, Neuchâtel, Bern, Zurich).

The E&T program organizes a number of regular events including an interdisciplinary lecture series in the affective sciences, thematic workshops, transversal skill workshops, graduate seminars (practical introductory workshops to topics of interdisciplinary interest in the affective sciences), and a biennial international summer school. The events organized in 2021 are summarized below (more information at: <https://www.unige.ch/cisa/education/education/>).





## 8.1 LECTURE SAND SEMINARS

ANTOINE LUTZ. 09.03.2021. Lecture. Online. « Meditation and pain from the lenses of phenomenology and neurosciences”.

LAURA SILVA. 16.03.2021. Seminar. Online. “On being angry at oneself”.

MARIA KOPTJEVSKAJA-TAMM & DR. DMITRY NIKOLAEV. 01.06.2021. Lecture. Online. “Talking About Temperature and Social Thermoregulation in the Languages of the World”

ELISE S. DAN-GLAUSER. 21.09.2021. Lecture. CISA, Campus Biotech. “The power of choice - In search of the factors governing the efficacy of Situation selection used as an emotion regulation strategy”

CONSTANT BONARD. 19.10.2021. Seminar. CISA, Campus Biotech. “The meaning of slurs: considering affects thoughtfully”.

ASTRID HOPFENSITZ. 09.11.2021. Lecture. CISA, Campus Biotech. “The strategic display of emotions”

DOMICELE JONAUSKAITE. 30.11.2021. Seminar. CISA, Online. “Affective meaning of colours: A cross-cultural investigation”.

ULF HAHNEL. 07.12.2021. Seminar. CISA, Online. “Emotions and climate change perception: A longitudinal perspective

## 8.2 WORKSHOPS

Fundamentals of Project Management. With Thomas Teichler (Lead to Trust). 26 & 27.01.2021. CISA, Online.

Course on Scientific Writing. With Robert Kail (Purdue University). 09 - 12.11.2021. CISA, Campus Biotech.

Workshop on Machine Learning. With Ben Meuleman (University of Geneva). 02 & 03.12.2021. CISA, Campus Biotech.

## 8.3 GRADUATE SEMINARS

SANDRA PENIC. 29.06.2021. CISA, Campus Biotech. “Collective emotions and collective resilience in mass emergencies and crises” (part I)

SANDRA PENIC. 09.07.21. CISA, online. “Collective emotions and collective resilience in mass emergencies and crises” (part II).

ANTOINE LUTZ. 21.09.2021. CISA, Campus Biotech. “Investigating the phenomenal and neurocognitive matrix of mindfulness-related practices”.

#### 8.4 OTHER

Doctoral Students Day. 11.10.2021. Annual meeting of the doctoral program members. Discussion of program features, feedback, networking, and planning.

1st CISA welcome day. 11.10.2021. Welcome session for newcomers to the Center, with doctoral researchers giving short presentations.

1st CISA young researchers retreat. 18 & 19.11.2021. Fondation Brocher, Hermance. Workshops, blitz talks, round tables and community building activities for the doctoral students and other young researchers of the Center.

#### 8.5 CO-FUNDED EVENTS

**Thumos seminars.** Philosophy lectures in the affective sciences. Thursdays, 16h15-17h45. Uni Bastions (room B214). Held online for part of the year as a result of the pandemic.

**SciFilmIt Geneva 2021.** 24-26.09.21. Campus Biotech & online. Science hackathon and cinema event, involving the training of junior scientists giving them an opportunity to collaborate with artists and filmmakers and communicate their scientific interests. 22 participants, 7 mentors, 8 organizers. 4 movies were produced, 2 of which were related to the topic “emotions”. Live event at: [https://www.youtube.com/watch?v=Gm\\_JDGQxTdQ&t=316s](https://www.youtube.com/watch?v=Gm_JDGQxTdQ&t=316s)

During 2021 the program was involved in the planning of the 2022 edition of the International Summer School in Affective Sciences (ISSAS), devoted to the topic “Emotion and well-being”.

## 9. KNOWLEDGE TRANSFER ACTIVITIES

**Heads:** DR. MARCELO MORTILLARO  
MS. CAROLE VARONE

Knowledge transfer activities are coordinated by Dr. Marcello Mortillaro and Ms. Carole Varone. Dr. Mortillaro, senior researcher, is in charge of facilitating scientific collaborations between the CISA and companies, research centers, as well as public and private partners. Ms. Carole Varone is in charge of developing knowledge transfer activities for the public at large in collaboration with partners in the public and private sectors.

### 9.1 COLLABORATION WITH PRIVATE/PUBLIC INSTITUTIONS

Over the course of 2021, the CISA planned and/or carried out several interesting research collaborations with external partners coming from the industry sector, the educational sector and the non-profit sector. In the context of the applied project in collaboration with NOUS production, entitled “Evidence-based development of sustainability communications to maximize behavioral impact,” the team led by Prof. Brosch conducted an exhaustive meta-analysis of communication strategies to promote sustainable behavior. Our team started providing a synthesis of these strategies and concrete recommendations to maximize communication for impact.

Members of the CISA published significant research in 2021 describing a potentially crucial innovation for research on food and eating behavior: the production of a 3D printed pacifier-shaped mouthpiece for fMRI-compatible gustometers. This outcome was achieved thanks to a project carried out in 2018-2019 in collaboration with Novo Nordisk, and under the responsibility of Prof. Sander and Prof. Coppin.

In collaboration with Service Industriels de Genève, empirical, applied studies investigated the impact of positive and negative information on the attitudes of Geneva citizens concerning geothermal energy. Our researchers, led by Prof. Brosch and Dr. Hanel for the CISA, worked to investigate how negative information can affect these attitudes.

Prof. Julie Peron has been actively involved in the French Parkinson’s no-profit organization, participating in different events and reviewing research projects.

In 2021, Dr. Mortillaro started a new project in collaboration with “Ecole Hôtelière Lausanne – Swiss School for Tourism and Hospitality” on developing an original instrument to assess emotional competencies in hospitality. The project started in November 2021 and will last for two years.

Collaboration with Firmenich (Prof. Sander and Prof. Vuilleumier) continues successfully. Most recent studies investigate the affective processing of reward with a particular focus on subregions of the ventral striatum: our results clarify that different regions have specific contributions. This result may have important implications for understanding compulsive reward-seeking behaviors such as addiction, binge eating, or gambling (Pool et al., 2022).

New extensive intervention studies have been conducted in the context of the FNS project “Socio-emotional competencies and academic performance in adolescents” (Prof. Sander). This project, in collaboration with Département de l’instruction publique, de la culture et du sport of the State of Geneva, investigates the potential efficacy of different activities for socio-emotional learning in adolescents. Analyses are currently ongoing, and results will be communicated in 2022.

## 9.2 PARTICIPATION AND ORGANIZATION IN OUTREACH ACTIVITIES

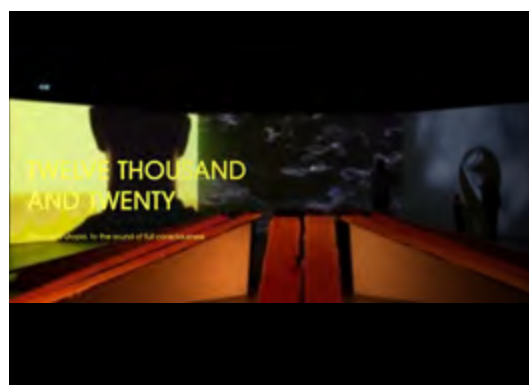
The Swiss Center for Affective Sciences has worked with major cultural institutions during 2021.

It was the scientific partner of the exhibition “**De l’Amour**” curated by Palais de la Découverte, Paris from October 8, 2019 to September 27, 2020. The exhibition was then presented until September 5, 2021 at the Quai des Savoirs in Toulouse. The exhibition questions this mysterious feeling, calling for contemporary scientific work in biology, neuroscience, psychology, and artistic expression.

<https://www.unige.ch/cisa/news/old-news/de-lamour/>



Following her 2020 residency at the Swiss center for Affective Sciences and NCCR Evolving Language, the Swiss artist **Julie Semoroz** presented in 2021 her creation “**TWELVE THOUSAND AND TWENTY**” in the events and cultural institutions listed below. The project composed of an installation, workshops and performances refers to the internal perception of sound and acts on the capacity to feel the internal physiological activity as indicators of emotions, of the body state.



- **Halle Nord in Geneva**, 5-28 March 2021.
- **Comédie de Genève**, 9-15 May 2021
- **Aargauer Kunsthaus**, 22 May 2021
- **Montreux Jazz Festival**, 7 July 2021
- **Scientifica Zürich**, 4-5 September 2021
- **Spielact Festival**, Geneva, 29-30 September 2021
- Symposium “Etre à l’écoute” at **EDHEA – Ecole de design et haute école d’art**, Sierre, 1-2 October 2021

Researchers led workshops and gave lectures at the **Fête de la science in Arbusigny**, Savoie, France on October 9-10, 2021. They invited visitors to virtually dive into a conflict zone and experience the dangers civilians (including children) face, to test their ability to understand animal calls, or to see how far they will go to satisfy their hunger or curiosity?

<https://www.unige.ch/cisa/news/old-news/fete-de-la-science-arbusigny/>



Two researchers participated in the realization of the new temporary exhibition “**tout contre la terre**”, October 14, 2021 to 6 November, 2022 at the **Geneva Museum of Natural History**. They invite us to experience our emotions and behaviors in order to better understand their impact in and against the environmental crisis. The two researchers gave also a conference during the “**Tiers Lieu d’Après**” event in Geneva. <http://institutions.ville-geneve.ch/fr/mhn/votre-visite/agenda/tout-contre-la-terre>





Various researchers participated in a series of podcasts produced by the **Arts Centre of the International School of Geneva**. Personalities from the world of art, culture and science were invited to talk about their professional careers and activities.

<https://soundcloud.com/user-341357368>

The Center welcomed two Russian artists for a three month residency (April- June 2021). The artist duo Ekaterina Priyanichko and Alexander Serenko were hosted in the sleep lab of Prof Sophie Schwartz. The residency was a partnership between EOFA, Flux Laboratory and Campus Biotech.



<https://www.unige.ch/cisa/partnerships/sharing-research-public/artists-residence/>

## 10. SHARED RESEARCH MATERIAL

The CISA makes research materials available on its research website page <https://www.unige.ch/cisa/research/materials-and-online-research/research-material/> These materials are free of charge for use in non-commercial research projects. New materials are constantly added.



## 11. AWARDS AND GRANTS

**AGNES BAEHNI** obtained funding (CHF 1400.-) from the Société Académique de Genève.

**TOBIAS BROSCHE** obtained funding (CHF 315'232.) from the Swiss Innovation Agency for the project entitled eNet – an adaptable platform for advanced local energy markets.

**JULIEN DEONNA & FABRICE TERONI** received an FNSF Grant (CHF 456'044.-) in collaboration with B. Nanay, Antwerp, who received the same amount from the Flandres FWO, on Emotion and Mental Imagery.

**JULIE PERON LAB** won the Déjerine-Dubois price for the best ePoster at Société Suisse de Neurologie (SSN) annual congress, November 18-19th, 2021, Interlaken, Switzerland (Voruz, P., Cionca A., Allali, G., Benzakour, L., Nuber-Champier, A., Thomasson, M., Jacot, I., ... & Peron, J. A. (2021), "Anosognosia for memory dysfunction as a key determinant of cognitive and psychiatric symptoms in long COVID").

**DIDIER GRANDJEAN** obtained a Boninchi Foundation grant for the project entitled: "Stay emotionally close to defeat critical periods. Impact of Shared and Interactive Emotional Reading Program with parents on preterm brain development during the first months of life" (CHF 48'000.-)

**STEVE HUMBERT-DROZ** obtained a fellowship grant (13'200.00CHF), Fondation Ernst et Lucie Schmidheiny, Geneva and a Fellowship grant (5'000.00 CHF), 'Bourse Philibert Collart', Société Académique (SACAD), Geneva.

**ROBERTO KELLER** obtained funding (CHF 2460.-) from the Société Académique de Genève.

**MAEL LEBRETON** received an ERC Grant (EUR 227'800.-) in collaboration with the Ecole d'Economie de Paris (EUR 1'272'200.-) for the project entitled "Characterizing information integration in reinforcement learning : a neuro-computational investigation".

**LAURA RIONTINO** won the best poster at the II Cognitive and Affective Neurosciences of Pain (CANoP), Switzerland, the June 10th, 2021 for her work “Cognitive control after-affects in the appraisal of other people’s pain”.

**NUBER-CHAMPIER A., VORUZ P., JACOT DE ALCÂNTARA I., BREVILLE G., ALLALI G., LALIVE P.H., ASSAL F. & J.A. PÉRON J.A.** won the best poster award at Journée d’hiver de la Société de Neuropsychologie de Langue Française (SNLF), December 3th, 2021, Paris, France, for the poster “Monocytosis in the acute phase of SARS-CoV-2 infection predicts the presence of anosognosia for cognitive deficits in the chronic phase”.

**DAVID SANDER** obtained funding (CHF 144’000.-) from the Fondation des HUG, Genève, for the project entitled “Réellement moins peur et moins mal : la réalité virtuelle dans les soins aigus des enfants”.

**LAURA SILVA** obtained a Banting Postdoctoral Fellowship (two-year fellowship, 70,000 CAD p/a) from the Canadian Social Sciences and Humanities Research Council.

**MARZIA VARUTTI** obtained a Marie Skłodowska-Curie Individual Fellowships (CHF 243’779.-) for the project entitled “Curating Emotions: Exploring emotional competence in curatorial practice”.

**SOPHIE SCHWARTZ** obtained a grant (CHF 290’000.-) from the Bertarelli Foundation (Catalyst Fund).

**PATRIK VUILLEUMIER** obtained an FNS- EQUIP grant (CHF640’259.-) to renew/upgrade 3T MRI Scanner with latest imaging technology.

## 12. COMPLETED PHD THESES

**RODRIGO DIAZ** successfully defended his PhD thesis “*What (do people think) is an emotion*” on January 29th, 2021 under the supervision of Prof. Kevin Reuter (University of Zürich) and Prof. Claus Beisbart (University of Bern)

**BONARD CONSTANT** successfully defended his PhD thesis “*Meaning and Emotion*” on February 5th, 2021 under the supervision of Prof. Julien Deonna (University of Geneva) and Prof. Bence Nanay (University of Antwerp).

**RAYATDOOST SOHEIL** successfully defended his PhD thesis “*Computational Understanding of the Interaction between Facial Expressions and Electroencephalogram (EEG) Signals for Emotion Recognition*” on February 9th, 2021 under the supervision of Prof. Soleymani (USC Institute for Creative Technologies), Prof. Rudrauf (University of Geneva) and Prof. Chopard (University of Geneva).

**GAVIRIA JULIAN** successfully defended his PhD thesis “*dynamic functional brain correlates of negative emotions and their interactions with executive control*” on March 19th, 2021 under the supervision of Prof. Patrik Vuilleumier (University of Geneva).

**CARLSON HEATHER** successfully defended her PhD thesis “*Aftermath of Valence and Arousal in Odors*” on June 22nd, 2021 under the supervision of Prof. Patrik Vuilleumier (University of Geneva).

**CHAPPUIS CYRIELLE** successfully defended her PhD thesis “*Voice and first impression formation: the role of context and vocal parameters in person perception*” on July 5th, 2021 under the supervision of Prof. Didier Grandjean (University of Geneva).

**VAZARD JULIETTE** successfully defended her PhD thesis “*The Anxious Inquirer: Emotions and Epistemic Uncertainty*” on July 15th, 2021 under the supervision of Prof. Julien A. Deonna (University of Geneva).



**QIAO EMILIE** successfully defended her PhD thesis “*Effects of Emotions on Social Cognition*” on September 17th, 2021 under the supervision of Prof. Patrik Vuilleumier (University of Geneva)

**LEGENBRE GUILLAUME** successfully defended his PhD thesis “*I sleep but I feel, the role of affects in sensory processing during sleep*” on September 19th, 2021 under the supervision of Prof. Sophie Schwartz (University of Geneva)

**CAMASSA MANUEL** successfully defended his PhD thesis “*The Shared World. On the Power and Limits of Empathy*” on November 18th, 2021 under the supervision of Prof. Dr. Martin Hartmann (Universität Luzern) and Prof. Dr. Jan Slaby (Freie Universität Berlin)

### 13. COURSES TAUGHT (BACHELOR AND/OR MASTER)

Only courses taught in the field of affective sciences are listed below.

#### 13.1 PROF. DAVID SANDER

Psychologie de l'émotion  
Approches cognitives de l'émotion  
Emotions et apprentissages

#### 13.2 PROF. TOBIAS BROSCHE

Affect et prise de décision  
Introduction à la psychologie de l'environnement  
Psychologie du développement durable: leviers de changement de comportement

#### 13.3 PROF. FLORIAN COVA

Qu'est-ce qu'une pseudo-science ?  
Bioéthique  
Introduction à l'éthique appliquée  
Le sens de la vie  
TP en relation avec le cours : “Introduction à l'éthique appliquée”  
TP en relation avec le cours : “Le sens de la vie”

#### 13.4 PROF. JULIEN DEONNA

Les états mentaux et leurs rôles épistémiques  
Philosophie contemporaine : Emotions (SE Thumos)  
Introduction à la philosophie de l'esprit

#### 13.5 PROF. EDOUARD GENTAZ

Développement affectif et social de la naissance à l'adolescence  
Séminaire des archives Jean Piaget  
Introduction au développement social et affectif

#### 13.6 PROF. DIDIER GRANDJEAN

Expression et communication de l'émotion  
Introduction à la neuropsychologie et neurosciences affectives  
Neurosciences affectives (TP)

#### 13.7 PROF. THIBAUD GRUBER

Emotions animales

#### 13.8 PROF. JULIE PERON

Neuropsychologie de l'habitude  
Colloque de recherche en psychologie clinique intégrative

#### 13.9 PROF. FABRICE TERONI

Introduction à la philosophie moderne : Reid  
Les états mentaux et leurs rôles épistémiques  
Philosophie contemporaine : Emotions (SE Thumos)  
Emotions et art

#### 13.10 PROF. SOPHIE SCHWARTZ

Bases neuroanatomiques et physiologiques du comportement

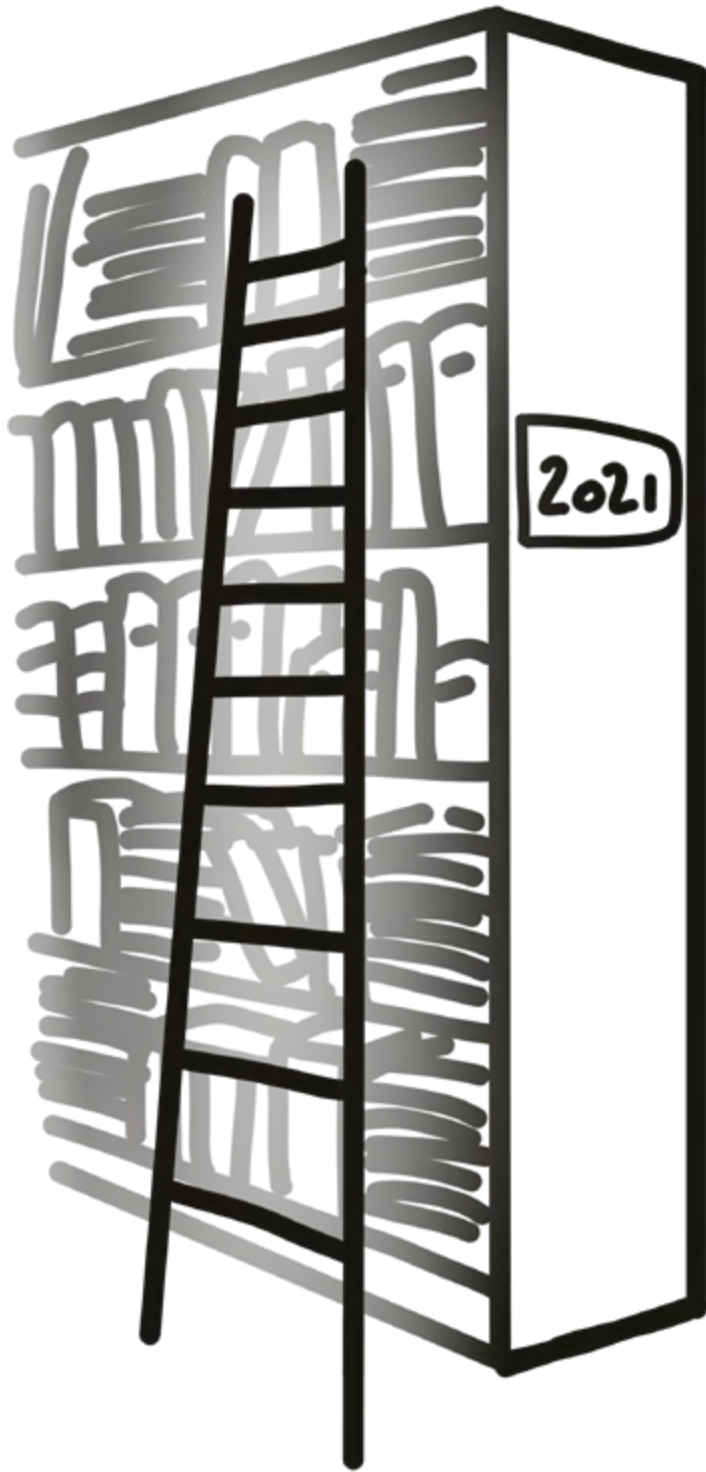
#### 13.11 PROF. PATRIK VUILLEUMIER

Introduction to cognitive and affective neuroscience

### 14. CONTINUING EDUCATION

A continuing education session in Emotional Competencies in Professional Situations has been proposed in 2021. It aims to understand the central role of emotions and emotional competencies in professional worlds around two areas of interest: “Emotion, work and management” and “Emotion, childhood and learning”.

<https://www.unige.ch/formcont/promotions/competences-emotionnelles>



## 15. LIST OF PUBLICATIONS 2021



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Cheval, B., Boisgontier, M. P., Sieber, S., Ihle, A., Orsholits, D., Forestier, C., Chalabaev, A. (2021). Cognitive functions and physical activity in aging when energy is lacking. *European Journal of Ageing*, doi:10.1007/s10433-021-00654-2

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