UNIVERSITÀ DEGLI STUDI DI MILANO

AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO **COD. ID: 4379**

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Scienze Farmacologiche e Biomolecolari, responsabile scientifico il **Prof. Fabio Fumagalli**

Fernando Castillo Díaz

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Castillo Díaz
Nome	Fernando
Data Di Nascita	[13, Febbraio, 1989]

OCCUPAZIONE ATTUALE

Incarico	Struttura

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente	Licenciatura in Scienze Biologiche (eq. to Master)	Università di Buenos Aires	2014
Specializzazione			
Dottorato Di Ricerca	Dottorato dell'Università di Buenos Aires nell'area Scienze Biologiche	Università di Buenos Aires	2019
Master			
Diploma Di Specializzazione Medica			
Diploma Di Specializzazione Europea			
Altro			

ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città

Università degli Studi di Milano - Direzione Risorse Umane
Ufficio Contratti di formazione e Ricerca
Via Sant'Antonio 12 - 20122 Milano, Italia
Assegni.ricerca@unimi.it

LINGUE STRANIERE CONOSCIUTE

Lingue	livello di conoscenza
Spagnolo	Lingua Materna
Inglese	Avanzato
Italiano	Intermedio
Tedesco	Basico

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

Anno	Descrizione premio.
2018/2019	The Grassfoundation-IBRO fellowship for the SFN-LATP 2018.
2018	IBRO International Travel Grant to attend FENS Forum 2018.
2016	FENS Summer School Scholarship.
2014-2019	CONICET (Argentinean Council Research). Instituto for Molecullar and Celullar Biology "Prof. E. De Robertis", Medicine Faculty, University of Buenos Aires.
2012-2014	Student Scholarship for research in the University of Buenos Aires.

ATTIVITÀ DI FORMAZIONE O DI RICERCA

descrizione dell'attività
ATTIVITÀ DI RICERCA
Learned and mastered intracerebral infusions and microdialysis techniques, as well as stereotaxic surgeries in rats.
Learned and mastered behavioral protocols with rats such as Conditioned Place Preference, Inhibitory Avoidance, Plus Maze, Fear Conditioning, Object Recognition Task, Open field and Taste Aversion Test.
Learned microscopy techniques, such as Molecular techniques such as Western Blot, immunohistochemistry and fluorescence microscopy and image analysis.
Learned how to manage crustacean culture in aquariums
Biochemical assays to determine proteins, lipids and carbohydrates from animal tissues
Water quality proofs.
Fieldwork research for sampling rodent's blood to analyze hantavirus presence
Learned techniques for the preservation of rodent skulls
ATTIVITÀ DI FORMAZIONE
LATIN AMERICAN TRAINING PROGRAM 2018: From Molecules to Behavior: The Quest for New Treatments of Neuropathologies. August 26th to September 15th, 2018. Centro Interdisciplinario de Neurociencias de Valparaíso (CINV) at the University of Valparaíso in Chile.
GENERALIZED LINEAR MIXED MODELS IN R March 2018. School of Exact and Natural Sciences (FCEyN), University of Buenos Aires (UBA). Buenos Aires - Argentina.
LABORATORY ANIMALS

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3rd to 21st July 2017. School of Exact and Natural Sciences (FCEyN), University of Buenos Aires (UBA). Buenos Aires - Argentina.
ANIMAL HISTOLOGY: BASIC TECHNIQUES OF OPTIC AND ELECTRONIC MICROSCOPY 6th to 18th March 2017. School of Exact and Natural Sciences (FCEyN), University of Buenos Aires (UBA). Buenos Aires - Argentina.
CELLULAR MECHANISMS AND NETWORKS IN ADDICTION May 29th to June 4th, 2016. Training Center of Bertinoro, University of Bologna. Italy.
BEHAVIORAL ANALISYS OF ANIMAL MODELS OF PSYCHIATRIC DISORDERS March 14th to April 5th, 2016. School of Exact and Natural Sciences (FCEyN), University of Buenos Aires (UBA). Buenos Aires - Argentina.
COMPARED NEUROENDOCRINOLOGY February 29th to March 11th, 2016. School of Exact and Natural Sciences (FCEyN), University of Buenos Aires (UBA). Buenos Aires - Argentina.
STATE-OF-THE-ART METHODS IN NEUROSCIENCE RESEARCH 27th to 29th September 2015. Mar del plata, Argentina.
SOCIAL AND REPRODUCTIVE BIOLOGY 2nd to 13th March 2015. School of Exact and Natural Sciences (FCEyN), University of Buenos Aires (UBA). Buenos Aires - Argentina.

ATTIVITÀ PROGETTUALE

Anno	Progetto

TITOLARITÀ DI BREVETTI

Brevetto

CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
To be presented 19th to 23rd October 2019	Dopamine neurotransmission of the VTA regulates aversive memories formation and persistence. **Fernando Castillo Díaz,** Juliana F. Dalto, Margdalena Pereyra, Jorge H. Medina.	SFN 2019 Chicago, Illinois, USA.
10th to 13th July, 2019.	Exploring the role of prefrontal cortex nicotinic receptors on cocaine-associated memory. Verónica Pastor, **Fernando Castillo Díaz**, Valeria C. Sanabria, Jorge H. Medina, Marta C. Antonelli.	FENS Regional Meeting Belgrade, Serbia.
23rd to 26th	Inhibition of alpha 7 nicotinic receptors in the prefrontal cortex	XXXIII Anual Meeting SAN 2018 Córdoba, Argentina.

October 2018	impairs cocaine-induced conditioned place preference. Verónica Pastor, **Fernando Castillo Díaz**, Valeria C. Sanabria, M. Eugenia Pallarés, Jorge H. Medina, Marta C. Antonelli.	
7th to 11st July 2018.	Dopamine neurotransmission in the VTA regulates appetitive memories persistence. **Fernando Castillo Díaz**, Micaela A. Hernandez, Tomás Capellá, Jorge H. Medina.	FENS FORUM 2018 Berlin, Germany.
26th and 27th September 2017.	Oral communication: Blockade of D1/D5 dopaminergic receptors in the VTA promotes the persistence of weak appetitive memories. **Fernando Castillo Díaz**, Micaela A. Hernandez, Tomás Capellá, Valentina de Castro, Jorge H. Medina.	XXXII Anual Meeting SAN 2017 Mar del plata, Argentina.
May 29th to June 4th 2016	Activation of medial prefrontal cortex dopamine receptors induces a persistent aversive behavior. **Fernando Castillo Díaz**, Cecilia Kramar, Micaela A. Hernandez, Jorge H. Medina.	FENS-SFN Summer School "CELLULAR MECHANISMS AND NETWORKS IN ADDICTION". Bertinoro, Italy.
September 27th to October 1st 2015	Activation of medial prefrontal cortex dopamine receptors induces a persistent aversive behavior. **Fernando Castillo Díaz**, Cecilia Kramar, Micaela Anahí Hernandez, Jorge H. Medina.	XXX Anual Meeting and SAN-ISN Small Conference and Course Mar del plata, Argentina.
7th to 9th July 2015	Activation of D1/D5 dopamine receptors in the medial prefrontal cortex is sufficient to induce a long delay aversive behavior. Cecilia Kramar, **Fernando Castillo Díaz**, Jorge H. Medina.	9th World Congress International Brain Research Organization Rio de Janeiro, Brazil.
1st to 3rd December 2014	Oral Communication: Effect of food restriction on the gonad and hepatopancreas biochemical composition of *Cherax quadricarinatus* females. **Castillo Díaz F**, Tropea C, Stumpf L & López Greco L. S.	Anual meeting of the Argentinian Biology Society "Anthropic Impact on the organisms fisiology" Chascomús, Argentina.
9th to 12th November 2014	Cherax quadricarinatus (Parastacidae): as a model to study nutritional flexibility in sea-freshwater transition. López Greco L.S., Stumpf L., Sacristán H.J., Calvo N., **Castillo Díaz F.**, Tropea C., Dyzenchauz A.	VIII Brazilian Crustacean Congress Bonito, Brazil.
1st to 5th	Food restriction effect of the parental	Aquaciencia Congress 2014 Foz do Iguaçu, Brazil.

September 2014	broodstock of freshwater crayfish Cherax quadricariantus on the brood quality. **Castillo Díaz F.**, Stumpf L., Tropea C., López Greco L.S.	
4th to 6th December 2013	Effect of food restriction on the Cherax quadricarinatus broodstock growth and reproduction (Parastacidae). **Castillo Díaz, F.** Stumpf, L. Tropea, C. López Greco, L.S.	Anual meeting of the Argentinian Biology Society "60th year of the DNA structure description" Chascomús, Argentina.
7th to 11th July 2013	Catch up and compensatory growth in juveniles of the crayfish Cherax quadricarinatus (Parastacidae) exposed to different diets. Stumpf L; Tropea C; **Castillo Díaz F**; López Greco L.S.	Sustainable Aquaculture at the upcoming Summer Meeting of The Crustacean Society (TCS) jointly organized with the Latin American Association of Carcinology (ALCARCINUS). San josé, Costa Rica.
3rd to 7th June 2012.	Effects of intermittent feeding and continuous feeding periods on compensatory growth in juveniles of the crayfish *Cherax quadricarinatus* (Parastacidae). Stumpf L.; **Castillo Díaz F.**; López Greco L.S.	Crustacean Society Summer Meeting and the 10th Colloquium Crustacea Decapoda Mediterranea. Atenas, Greece.
17th and 18th November 2011	Hepatopancreas structure of the freshwater crayfish Cherax quadricarinatus (Decapoda: Parastacidae). López Greco L.S.;Tropea C.; Sacristán H.J.; Calvo N.S.; Stumpf L.; Franco Tadic L.M.; **Castillo Díaz F.**; Arias M.; Tomas A.L.	First Conference of morphologic science in Tandil hills, Buenos Aires, Argentina.
7th to 10th November 2010	Compensatory growth on the juveniles of Cherax quadricarinatus freshwater crayfish after a short term period of food restriction. Stumpf, L; Calvo, NS; Tropea, C; **Castillo Díaz, F**; Valenti, WC & López Greco, LS.	Brazilian Crustacean Congress Ilhéus – Bahia, Brazil.

PUBBLICAZIONI

Libri
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Articoli su riviste
The late consolidation of an aversive memory is promoted by the VTA dopamine release in the dorsal hippocampus. Cecilia P. Kramar, **Fernando Castillo Díaz**, Eduardo D. Gigante, Jorge H. Medina, Flavia M. Barbano. Submitted on Neuropsychopharmacology, 2019.

Dopamine neurotransmission in the ventral tegmental area promotes active forgetting of cocaine-associated memory. Molecular Neurobiology, New Orleans, ed. Nicolás Bazán, 2019. **Fernando Castillo Díaz**, Micaela A. Hernandez, Tomás Capellá, Jorge H. Medina
Activation of D1/5 Dopamine receptors in the dorsal medial prefrontal cortex promotes incubated-like aversive responses. Frontiers of Behavioral Neuroscience, ed. Nuno Sousa, Minho Braga, 2017. **Fernando Castillo Díaz**, Cecilia P. Kramar, Micaela A. Hernandez, Jorge H. Medina.
Mobilization of energetic reserves during starvation in juveniles of different size of the redclaw crayfish *Cherax quadricarinatus*. Aquaculture Nutrition, ed. Marit Espe, USA, 2017. Natalia S. Calvo; Liane Stumpf; Edilmar Cortes Jacinto; **Fernando Castillo Díaz**; Laura Susana López Greco.
Effect of food restriction on female reproductive performance in the redclaw crayfish *Cherax quadricarinatus* (Parastacidae, Decapoda). Aquaculture Research, ed. Ronald Hardy, USA, 2016. **Fernando Castillo Díaz**, Carolina Tropea, Liane Stumpf, Laura Susana López Greco.
Effect of the food shortage on growth, energetic reserves mobilization, and water quality in juveniles of the redclaw crayfish, Cherax quadricarinatus, reared in groups. Journal of Crustacean Biology, ed. Peter Castro, Pomona, 2014. Liane Stumpf, **Fernando Castillo Díaz**, Verónica Elizabeth Viau, Wagner C. Valenti, Laura S. López Greco.
Effect of intermittent feeding on compensatory growth in early juveniles of the crayfish *Cherax quadricarinatus* (Parastacidae). Aquaculture, ed. D.M. Gatlin, Texas, 2011. Liane Stumpf, Natalia S. Calvo, **Fernando Castillo Díaz**, Wagner C. Valenti, Laura S. López Greco.

Atti di convegni
[titolo, struttura, città, anno]
[titolo, struttura, città, anno]

ALTRE INFORMAZIONI

Teaching Experience
Academic Auxiliary teacher Biodiversity and Experimental Biology Department, Exact and Natural Science School, University of Buenos Aires. 2014.
Academic Auxiliary teacher Biodiversity and Experimental Biology Department, Exact and Natural Science School, University of Buenos Aires. 2013.
Scientific Dissemination Activities
Crustacean World November 2013. Exact and Natural Science School, University of Buenos Aires Expositor
International Book Fair May 2013 Sociedad Rural Argentina, Buenos Aires. Expositor
The Night of the Museum 2011 November 2011

Exact and Natural Science School, University of Buenos Aires Expositor
Biology Week 2011 August 2011 Exact and Natural Science School, University of Buenos Aires Expositor
ExpoUBA – University of Buenos Aires October 2010 Exact and Natural Science School, University of Buenos Aires Expositor
Biology week 2010 September 2010 Exact and Natural Science School, University of Buenos Aires Expositor

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

Luogo e data: __Hannover, __07/10/2019_____

FIRMA _____Dr. Castillo Díaz Ferrnando_____

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