

Curriculum Vitae Aptekmann, Ariel Alejandro 03/ 2018

Name: Aptekmann, Ariel Alejandro.
Gender: Male
Date of birth: 16/01/1988
Nationality: Argentinian



E-mail: arielaptekmann@gmail.com

Titles:

PhD from University of Buenos Aires (UBA), in Biological Chemistry
05/2014 – 23/03/2018.

“Licenciado” (Master) in Biological Sciences from UBA, Molecular Biology orientation
12/2007 - 02/2013

Teaching appointments:

Teaching assistant, Inorganic Chemistry Department, Faculty of Agronomy, UBA:
-“General chemistry”
-“General applied chemistry”
-“Introduction to agricultural and ambiental chemistry”.
October 2013 – present .

Professor in several postgraduate courses:
School of Bioinformatic, Leloir Institute 2017 - 2018
Synthetic Biology, UBA 2016
Open Design Lab Module 4 , UBA 2016
Soil remediation UBA 2014 - 2015

Scholarships:

PhD: from CONICET, Strategic subjects 2013-2018, Bioinformatics.
Grad student: Stimulus for research from UBA, 2011 – 2012

Publications:

Aptekmann, Ariel A., and Alejandro D. Nadra. "Core promoter information content correlates with optimal growth temperature." *Scientific Reports* 8.1 (2018): 1313.

Mangano, Silvina, et al. "Molecular link between auxin and ROS-mediated polar growth." *Proceedings of the National Academy of Sciences* (2017): 201701536.

Postgraduate courses:

Bacteriophages: Molecular and basic aspects. FCEyN 2016
Synthetic Biology, FCEyN 2015
Didactics of biology and genetics, FCEyN 2015
Ambiental chemistry topics, FCEyN 2015
Applied Statistical Thermodynamics, DLAB Santiago de Chile 2015
Host Pathogen Interactions, PASTEUR Montevideo 2014
Human Population Genomics, FCEyN 2014 .
Algorithms in Bioinformatics, UNSAM 2013 .

Recent Congresses:

AA APTEKMANN; I SANCHEZ ;A NADRA

Keynote: “Natural DNA motif exploration of sequence space “

Argentina. Buenos Aires. 2017.

Argentinian Society of Young Researchers in Bioinformatics

AA APTEKMANN; A NADRA

“Core promoter information content correlates with optimal growth temperature. “

Argentina. Buenos Aires. 2017.

Argentinian Society of Biophysics

F TAVELLA; MJ GATTAS; D FERRI; AA APTEKMANN

“Computational design of a Dengue virus sensor”

Argentina. CABA. 2016. 7CAB2C.

International Society for Computational Biology

AA APTEKMANN; AD NADRA.

“Comparative analysis of Archean core promoter region information content and its relation with optimal growth temperature.”

Argentina. CABA. 2016. 7CAB2C.

International Society for Computational Biology

AA APTEKMANN; AD NADRA.

Keynote : “Comparative analysis of Archean core promoter region information content and its relation with optimal growth temperature.”

Argentina. CABA. 2016. ISCB LA.

International Society for Computational Biology – Student Council Symposium

G DeGroot; AA APTEKMANN; J Romero; I Boron;

“Herramientas sociales y tecnológicas para relevar agrotóxicos”

Argentina. Buenos Aires. 2015.

Argentinian Society of Ambiental Technology SACYTA

AA APTEKMANN; AD NADRA.

“A sequence and structure based model to explain information content relation with growth temperature”

Argentina. Bahia Blanca. 2015. 6CAB2C.

Argentinian Society of Bioinformatics and Computational Biology

AA APTEKMANN; AD NADRA.

“Archean core promoter region information content, and its relation with optimal growth temperature”

Argentina. Bariloche. 2014. 5CAB2C.

Argentinian Society of Bioinformatics and Computational Biology

AA APTEKMANN; A NADRA

“Protein-DNA interactions in extremophiles.”

Argentina. Buenos Aires. 2013.

Argentinian Society of Biophysics

AAAPTEKMANN; J.SALGADO SALTER; SM VELAZQUES; JM ESTEVEZ; A NADRA. “Effect of the o-glicosilation in the binding of Extensins to Peroxidases.. “
Argentina. Oro Verde. 2012. 3CAB2C.

Argentinian Society of Bioinformatics and Computational Biology

ARIEL APTEKMANN; J.SALGADO SALTER; SM VELAZQUES; JM ESTEVEZ; A NADRA. “Modelado de peroxidases de extensina y su afinidad por distintos sustratos.”
Argentina. Buenos Aires. 2011.

Argentinian Society of Biophysics

Extracurricular activities:

Coordinator, Synthetic Biology team TECNOx 2018

Coordinator, Synthetic Biology team TECNOx 2016

Coordinator / Expositor "Biology week", FCEyN UBA, yearly event, 2012 to 2017
Stand “Ce ne pas une protein”

Coordinator "Biology week", FCEyN UBA, 2010
Stand “Playing with genes ”

Expositor “ExpoUB A”, Sociedad Rural Argentina, 2010
Stand “Playing with genes ”

Expositor "Biology week" FCEyN UBA, yearly event, 2007 to 2009
Stand “Playing with genes ”

Other background:

U.B.A. Exact Sciences Faculty, Teaching Lab Technician 01/04/2018 to present
10 h / week

U.B.A. Exact Sciences Faculty, Protein Purification, technical training, lab intern in
Molecular Biology 04/06/2011 to 27/06/2012
20 h / week

U.B.A. Exact Sciences Faculty, *Arabidopsis* transformation, technical training , lab intern in
Molecular Biology 10/12/2010 to 04/06/2011
10 h / week