

Kind of Fellowship:	Posdoctoral
Area:	Human Sciences
Responsible Researcher:	Pablo Julio Lorenzano
Project Title:	Models and Theories in Physical, Biological, and Social Sciences
Project Code:	PICT-2014-1741
Beneficiary Institution:	National University of Quilmes
Theme:	Analysis of the relationships between the concepts of model and theory, and showing the fruitfulness of such an analysis in order to get a better knowledge of the roles play by models as well as theories in science in general and in physical, biological, and social sciences in particular, and, thus, of the general nature of science, especially of physical, biological, and social sciences.
Description of the Fellowship Theme:	To analyze the role that models play in science in general, and in physical, biological, and social sciences in particular, and their relations to scientific theories in general, and of physical, biological, and social sciences in particular, according to metascientific positions of contemporary relevance, taking as case studies different conceptualizations of such areas: (a) Physics: Ptolemy's system, Brahe's system, Cartesian mechanics, Newtonian mechanics, thermodynamics of simple systems, quantum mechanics; (b) Biology: classical, molecular and population genetics, Darwinian and synthetic evolutionary theory, common ancestor theory, population ecology, metabolic and allosteric biochemistry, biochemistry of metabolic pathways and of free radicals, blood circulation, physiology; y (c) Social Sciences: Smith's theory of capital benefit variations, Marx's theory of value, Merton's theories of group of reference and of anomie, Giddens' theory of social structuration, Freud's psychoanalysis, Skinner's functional analysis of behavior, Harris' theory of archeological stratification.
Candidate Requirements:	PhD in Philosophy or in an Empirical Science. Training in Philosophy of Science.
Work Place:	Center of Studies of Philosophy and History of Science National University of Quilmes Roque Sáenz Peña 352 - BERNAL - BUENOS AIRES
Fellowship Characteristics:	Beginning: April 1st, 2017 Duration: 2 years Monthly Income: \$19265
Closing Date:	March 10th, 2017
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