

Resultados del Tercer concurso nacional de proyectos de Anillos de Investigación en Ciencia y Tecnología y Anillos de PROYECTOS ADJUDICADOS

| Codigo | Discipline | Título del proyecto | Institución principal | Instituciones Asociadas Nacionales | DIRECTOR(A) | Investigadores (as) titulares |
|---------------|-------------------|--|--|--|--------------------------|--|
| ACT53 | Engineering | Modeling, optimization and control with application to networked systems using wireless communications | Universidad Técnica Federico Santa María | Universidad Diego Portales | Rodolfo Feick Laudien | Mario Salgado Brocal, Hristo Hristov, Luciano Ahumada Fierro |
| ACT56 | Maths | Lattice and Symmetry | Universidad de Talca | Universidad Arturo Prat | Ricardo Baeza Rodríguez | Luc Lapointe, Sergei Trofimchuk, Felipe Van Diejen |
| ACT66 | Biology | High order perception of needs and emotions | Pontificia Universidad Católica de Chile | N/A | Fernando Torrealba | Pedro Maldonado, Rodrigo Iturriaga, José Luis Valdes |
| ACT71 | Biomed | Pro-inflammatory conditions increase the permeability of the cell membrane through pathways that offer new therapeutic targets for human diseases. | Pontificia Universidad Católica de Chile | Universidad de Valparaíso - Universidad de Chile | Juan Carlos Sáez Carreño | Luis Michea, Victoria Velarde, Xavier Figueroa |

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| ACT73 | Biomed | Characterization of the pathophysiological mechanisms, and detection of common therapeutic targets in placental dysfunction in pathologies of the human pregnancy | Pontificia Universidad Católica de Chile | Center for the Diagnosis and Research in Perinatology (CEDIP), Hospital Sótero del Río (Chile) - Poison Control Center de la Pontificia Universidad Católica de Chile (CITUC).- Faculty of Medicine, Universidad Católica de la Santísima Concepción (UCSC) | Luis Alberto Sobrevia Luarte | Paola Casanello Toledo, Jyh Cae Nien Shy |
| ACT79 | Biomed | Biomedical Imaging in obesity: from cellular mechanisms to clinical applications | Pontificia Universidad Católica de Chile | Universidad de Santiago de Chile - Universidad de Valparaíso - Philips Healthcare Chile | Pablo Irrarazaval | Marco Arrese, Manuel Villalón, Hernán Henríquez |
| ACT86 | Astronomy | Development of technologies for astronomical observations. Chile: from host to active partner in the construction of the next generation astronomical telescopes | Pontificia Universidad Católica de Chile | N/A | Leonardo Vanzi | Andrés Guesalaga, Leopoldo Infante, Andrés Jordan, Diego Celentano |
| ACT87 | Maths | Quantitative methods in security | Universidad de Chile | Pontificia Universidad Católica de Chile - Universidad de Concepción | Raúl Manasevich Tolosa | José Miguel Benavente, Richard Weber, Rolando de la Cruz Mesía |

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| ACT88 | Engineering | Mathematical modeling for industrial and management science applications: a multidisciplinary approach | Universidad Adolfo Ibáñez | Universidad Técnica Federico Santa María | Eric Goles | Javiera Barrera, Alejandra Beghelli, Marcos Goycoolea, Eduardo Moreno |
| ACT91 | Physics | Southern Theoretical Physics Laboratory | Centro de Estudios Científicos de Valdivia (CECS) | Universidad Austral de Chile | Ricardo Troncoso | Fabrizio Canfora, Cristián Martínez, Jorge Zanelli |
| ACT95 | Nanotechnology | Nano and micromechanics of soft matter systems | Universidad de Santiago de Chile | Universidad de Chile | Enrique Cerda | Marcelo Kogan, Francisco Melo, Maritza Páez |
| ACT96 | Anthropology | Interactions and human mobility in pre-hispanic populations of Northern Chile: an integrative approach for the Social Sciences using biomedical, genetic, chemical and mineralogical markers. | Universidad de Chile | Universidad Católica del Norte | Germán Manríquez Soto | Hermann Niemeyer Marich, Diego Morata, Mauricio Moraga Vergara |
| ACT98 | Antarctic | Surface Spectral UV Radiation and UV-Linked Effects on Endemic Species | Universidad de Santiago de Chile | Universidad Técnica Federico Santa María - Pontificia Universidad Católica de Chile | Raúl Cordero | Fernando Labbé, Luis Da Silva, Roberto Bernal |
| ACT105 | Antarctic | Geological and paleontological evolution of the Magellan and Larsen Basins during the Mesozoic and Cenozoic: source areas and possible similarities | Universidad de Chile | Museo Nacional de Historia Natural - Universidad de Concepción - Universidad de Magallanes - Empresa Nacional del Petróleo | Teresa Torres | Francisco Hervé, Jacobus Le Roux, César Arriagada, Alexander Vargas, Pamela Alvarez |

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| ACT112 | Biomed | Advanced center for training and research in the design of pharmacological and immunological strategies for the control of parasitic and neoplastic aggressions | Universidad de Chile | N/A | Arturo Ferreira Vigoroux | Norbel Galanti Garrone, Juan Maya Arango |
| ACT119 | Engineering | Institute for advanced studies in science and engineering | Universidad Técnica Federico Santa María | N/A | William Brooks | Claudio Dib, Boris Kopeliovich, José Rodríguez, Luis Salinas |
| ACT125 | Maths | Center for Analisis of partial differential equations (CAPDE) | Universidad de Chile | Pontificia Universidad Católica de Chile - Universidad Técnica Federico Santa María - Universidad de Santiago | Patricio Felmer Aichele | Manuel del Pino Manresa, Mónica Musso, Michal Kowalczyk, Juan Dávila Bonczos, Ignacio Guerra Benavente, Salomé Miartínez Salazar, Alexander Quaas Berger, Mariel Saez Trumper |
| ACT127 | Physics | Dynamics of disordered and heterogeneous media | Universidad de Chile | N/A | Nicolás Mujica Fernández | Rodrigo Soto Bertran, Felipe Barra de la Guarda, Fernando Lund Plantat |
| ACT130 | Chemistry | Polymer materials applied for environmental and forensic chemistry | Universidad de Concepción | N/A | Bernabé Rivas Quiroz | Hector Mansilla González, Eduardo Pereira Ulloa |
| ACT132 | Natural Sciences | Influence in the near future ocean acidification on shellfish resources. Latitudinal variation and fresh water inputs | Universidad Austral de Chile | Universidad de Concepción - Universidad Santo Tomás - Centro de Investigación de Estudios Patagónicos (CIEP) | Jorge Navarro A. | Patricio Manriquez C., Cristian Vargas G., Nelson Lagos S. |