

JAVIER CERDA INFANTE

Scientist, entrepreneur and innovator in biotechnology

PERSONAL

Date of birth **March 15, 1987**
Nationality **Chilean**
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EDUCATION

- 2016 - 2020
Santiago, Chile • **Pontificia Universidad Católica de Chile**
PhD in Cellular and Molecular Biology.
- 2014 - 2016
Santiago, Chile • **Pontificia Universidad Católica de Chile**
Master in Cellular and Molecular Biology.
- 2006 - 2012
Santiago, Chile • **Pontificia Universidad Católica de Valparaíso**
Graduate in Biochemistry.
- 2008 - 209
Madrid, Spain • **Universidad Complutense de Madrid**
Bachelor in Biochemistry.

WORK EXPERIENCE

- 2019 - Current
Santiago, Chile • **Environ. – Chief Executive Officer**
Founder and CEO of the UC spinoff Environ SpA. Leader in the development of diagnostic and therapeutic strategies in oncology.
- 2011 - 2019
Santiago, Chile • **Pontificia Universidad Católica de Chile. – Research and Academic Instructor**
Assistant researcher and later principal investigator in the Oncology Laboratory of the Faculty of Medicine. I led the projects in the R&D area of the laboratory, training undergraduate and graduate students. In addition, participate as an academic instructor of courses as molecular biology and cell biology of cancer.
- 2018
Santiago, Chile • **UC Tech Transfer Office. – Technology Transfer Manager Assistant, Health and Life Sciences**
Training period in UC technology transfer department in the area of biomedicine, intellectual property and licensing of UC technologies.
- 2017 - 2018
Buffalo, USA • **Roswell Park Cancer Institute. – Fellowship Research**
Fellowship in prostate cancer research and development of preclinical cancer models. Work in the laboratory of Dr. Barbara Foster.

I + D EXPERIENCE

- Startups** • **Environ**
Spin-Off UC, scientific-technological company with the aim of developing and validating new diagnostic and treatment tools in biomedicine. October 2019. Position: Founder and Chief Executive Officer
- Grants** • **DESARROLLO DE UN NUEVO INHIBIDOR DE NRP1 ESTROMAL COMO HERRAMIENTA PARA COMBATIR LA METÁSTASIS DE TUMORES DIGESTIVOS.** VII Concurso Valorización Investigación en la Universidad (VIU18E0103), FONDEF.2020. Position: Director.
• **EVALUACIÓN DE AGRESIVIDAD DEL CÁNCER DE PRÓSTATA MEDIANTE KIT DE qPCR.** II Concurso Valorización Investigación en la Universidad (VIU120012), FONDEF. Position: Founder
• **ProstaMets: DESARROLLO DE TEST PRONOSTICO DE METÁSTASIS EN CÁNCER DE PRÓSTATA.** BRAiN Chile. 2016.
• **DESARROLLO DE TEST PRONOSTICO DE METÁSTASIS EN CÁNCER DE PRÓSTATA.** GLOBAL UC Chile. 2016-2017.
• **DESARROLLO DE TEST PRONOSTICO DE METÁSTASIS EN CÁNCER DE PRÓSTATA.** Acelerator I+D UC. 2016-2018.
• **PLATAFORMA DE ESTUDIOS PRECLÍNICOS DE XENOTRANSPLANTES DE TEJIDOS METASTÁTICOS HUMANOS PARA LA EVALUACIÓN DE SENSIBILIDAD A DROGAS ANTICANCERÍGENAS.** I concurso de Ciencia Aplicada Fondef IdeA CA12i10333 (2013-2016). Position: Chief I+D
• **GPSTAGGER (GPS): DESARROLLO Y VALIDACIÓN DE UNA HERRAMIENTA PARA DETERMINAR CONTEXTO GENÓMICO Y SU APLICACIÓN COMO PRONÓSTICO DE PROGRESIÓN TUMORAL.** CORFO 18COTE98085. 2018-2020. Position: Chief I+D
- Patent** • **EX VIVO METHOD FOR THE PROGNOSIS OF METASTASIS IN PROSTATE CANCER.** Javier Cerda Infante y Viviana Montecinos. ID: 201603434.
- Awards** • 2020: **Global Award Santander X.** Environ SpA was selected as the best university project in Chile.
• 2020: **Investment Summit Day.** Innovation Center UC. Best Pitch
• 2018: **Allbiotech.** Selected as one of the 100 leaders in biotechnology in Latin America.
• 2018: **Pontificia Universidad Católica de Chile.** Selected as one of the university leaders (Entrepreneurship Area).
• 2017: **Best biomedical research.** Annual Latin American Society of Urology Meeting.
• 2014: **CONICYT Scholarship.** Biological Sciences PhD Program.
• 2012: **Pontificia Universidad Católica de Valparaíso:** Best graduate of the generation in biochemistry
• 2005: **Pontificia Universidad Católica de Valparaíso:** Academic excellence.

SCIENTIFIC EXPERIENCE

- Grants** • **EXPLANT CULTURES FROM PROSTATE NEEDLE BIOPSIES AS A MODEL TO OBTAIN HIGHLY ENRICHED POPULATIONS OF BENIGN AND CARCINOMA-ASSOCIATED FIBROBLASTS.** Javier Cerda-Infante, Ignacio San Francisco, Alejandro Godoy, Gary Smith & Viviana Montecinos. British Journal of Urology International (BJUI), 2020 (Revision).
• **BIOCHEMICAL AND TRANSCRIPTIONAL ACTIVITY OF ANDROGEN AND GLUCOCORTICOID RECEPTORS IN CARCINOMA ASSOCIATED FIBROBLASTS FROM HUMAN PROSTATE TISSUE.** Viviana P Montecinos, Ignacio San Francisco, Javier Cerda-Infante, Sergio A Onate, Alejandro A. Hidalgo and Alejandro Godoy. Biochemical and Biophysical

- **SIMVASTATIN UNCOUPLES MULTIPLE CROSS-TALKING PATHWAYS INVOLVED IN CANCER 'STEM-LIKE' CELL-MEDIATED OVARIAN CANCER PROGRESSION: AN EXPLANATION FOR BETTER OUTCOME AMONG STATIN-USERS.** Kato S., Liberona F., Cerda-Infante J., Henríquez J., Sánchez M., Abarzúa-Catalán L., Bravo L., Gonzalez P., Gejman R., Brañes J., García K., Ibañez C., Owen G., Roa J.C., Montecinos V., Cuello M. *Endocrine-Related Cancer*, 2018, ERC-18-0132.
- **REGULATION OF PROSTATE STROMAL FIBROBLASTS BY THE PIM1 PROTEIN KINASE.** Marina Y. Zemskova, Bo Cen, Jin Song, Javier Cerda-Infante, Viviana P. Montecinos, and Andrew S. Kraft *Cell Signal*. 2015 Jan;27(1):135-46. doi: 10.1016/j.cellsig.2014.10.010. Epub 2014 Oct 28.
- **ASSOCIATION OF RNA5E AND 8q24 VARIANTS WITH THE PRESENCE AND AGGRESSIVENESS OF HEREDITARY AND SPORADIC PROSTATE CANCER IN A HISPANIC POPULATION.** Ignacio F. San Francisco, Pablo Rojas, Verónica Torres, Susan Smalley, Javier Cerda-Infante, Viviana P. Montecinos, Alejandro Godoy, Claudia Hurtado. *J Cell Mol Med*. 2014 Jan;18(1):125-33. doi: 10.1111/jcmm.12171. Epub 2013 Nov 14.
- **ASSOCIATION OF A SINGLE-NUCLEOTIDE POLYMORPHISM FROM CHROMOSOME 17Q12 WITH THE AGGRESSIVENESS OF PROSTATE CANCER IN A HISPANIC POPULATION.** Rojas PA, Torres-Estay V, Cerda-Infante J, Montecinos VP, Domínguez J, Arenas J, Godoy AS, San Francisco IF. *J Cancer Res Clin Oncol*. 2014 May;140(5):783-8. doi: 10.1007/s00432-014-1635-1. Epub 2014 Mar 14.
- **OBTENCIÓN DE CULTIVOS PRIMARIOS DE ESTROMA PROSTÁTICO BENIGNO Y TUMORAL MEDIANTE EXPLANTES DE TEJIDO DESDE BIOPSIAS POR PUNCIÓN.** Javier Cerda-Infante, Ignacio F. San Francisco, Rodrigo Pinochet, Sergio Guzmán, Álvaro Zuñiga, Javier Domínguez, José Antonio Salvadó & Viviana P. Montecinos. *Revista Chilena de Urología*, Volumen 77, No 4, pags 313-321, December 2012.

Meetings

- STEMNESS FEATURES OF PROSTATE CANCER CELLS INDUCED BY CARCINOMA-ASSOCIATED FIBROBLASTS. Núñez, Muriel A., **Cerda-Infante, Javier.**, Montecinos, Viviana P AACR 2017 Prostate Cancer: Advances in Basic, Translational and Clinical Research Conference, USA, Orlando, Florida, 2017
- *AUTOCRINE VEGF-A/NRP1 SIGNALING IN CARCINOMA-ASSOCIATED FIBROBLASTS IS NECESSARY FOR ITS PRO-METASTATIC EFFECTS OVER PROSTATE CANCER CELLS.* **Javier Cerda-Infante**, Marianela Sánchez, Alejandro Godoy, Enrique Brandan and Viviana P. Montecinos. EACR-MRS Conference. Seed and Soil: in vivo model of metástasis. Berlin, Germany, 2017.
- *INVOLVEMENT OF VEGF-A SIGNALING IN THE ACQUISITION AND MAINTENANCE OF HUMAN PROSTATE CARCINOMA-ASSOCIATED FIBROBLAST PHENOTYPE.* **Javier Cerda-Infante**, Marianela Sánchez, Paola Conejeros, Alejandra Alarcón, Alejandro Godoy, Enrique Brandan and Viviana P. Montecinos. AACR Annual Meeting 2017, USA, Washington, DC, 2017.
- *ROLE OF NEUROFILIN-1 SIGNALING IN MODULATING FIBROBLASTS PLASTICITY WITHIN THE PROSTATE TUMOR MICROENVIRONMENT.* **Javier Cerda-Infante**, Camila Brizuela, Marianela Sánchez, Enrique Brandan, and Viviana P Montecinos. 2017 Keystone Symposia Conference. Cell Plasticity within the Tumor Microenvironment. January 8-12, 2017, Montana, USA
- *VEGFRs SIGNALING IN CARCINOMA-ASSOCIATED FIBROBLAST IS REQUIRED FOR THE MAINTENANCE OF ITS ACTIVATED PHENOTYPE.* **Javier Cerda-Infante**, Camila Brizuela, Marianela Sánchez, Alejandro Godoy, Enrique Brandan and Viviana P. Montecinos. XXX Reunión Anual de la Sociedad De Biología Celular De Chile. 2016, Puerto Varas, Chile.
- *MULTI-LINEAGE DIFFERENTIATION POTENTIAL OF CARCINOMA-ASSOCIATED FIBROBLASTS ISOLATED FROM PRIMARY TUMORS OF METASTATIC PROSTATE CANCER PATIENTS.* **Cerda-Infante Javier**, Henríquez Jenny, Sánchez Marianela, Buttyan Ralph & Montecinos Viviana P. AACR Conference: The Function of Tumor Microenvironment in Cancer Progression. January 07-10, 2016, San Diego, CA, USA.
- *PRIMARY CULTURED STROMA FROM PRIMARY TUMORS OF METASTATIC PROSTATE CANCER REVEALED DISTINCTIVE GENE EXPRESSION PATTERN AND FUNCTIONALITY.* **Javier Cerda-Infante**, Ignacio F. San Francisco, Gary J. Smith, Alejandro S. Godoy, Ralph Buttyan and Viviana P. Montecinos. Society for Basic Urologic Research (SBUR) Fall 2015 Symposiu, November 12-15, 2015. Fort Lauderdale, FL, USA.
- *ROLE OF CANCER-ASSOCIATED FIBROBLASTS IN THE ACQUISITION OF METASTATIC TRAITS OF PROSTATE CANCER CELLS.* **Javier Cerda-Infante**, Camila Brizuela, Marianela Sánchez, Enrique Brandan and Viviana P. Montecinos. XXIX Reunión Anual de la Sociedad De Biología Celular De Chile. 2015, Puerto Varas, Chile.
- *SHORT TERM HUMAN TUMOR XENOGRAPTS: A MODEL OF HUMAN ANGIOGENESIS IN AN INTACT TISSUE MICROENVIRONMENT.* **Cerda-Infante Javier**, Sotomayor Paula, Alcayaga-Miranda Francisca, Ocaña Macarena, Gogoy Alejandro S. y Montecinos Viviana P. XXVIII Reunión Anual de la Sociedad De Biología Celular De Chile. 2014, Puerto Varas, Chile.
- *STROMAL PRIMARY CULTURES FROM ADVANCED HUMAN PROSTATE CANCER OBTAINED FROM NEEDLE BIOPSIES REVEALED DISTINCTIVE GENE EXPRESSION PATTERN AND FUNCTIONALITY.* **Javier Cerda-Infante**, Paola F. Conejeros, Romina A. Coronado, Ignacio F. San Francisco, Gary J Smith, Alejandro S. Godoy and Viviana P. Montecinos. AACR Annual Meeting 2014, USA, San Diego, CA, 2014.
- *MODELO DE XENOINJERTOS DE TEJIDO HUMANO: HERRAMIENTA PRECLÍNICA PARA EL ESTUDIO DEL CÁNCER DE PRÓSTATA.* **Cerda-Infante Javier**, Sotomayor Paula, Godoy Alejandro S. & Montecinos Viviana P. XXXVI Congreso Chileno De Urología. 2014, Viña del Mar, Chile.
- *POTATIVE MESENCHYMAL STEM CELLS DERIVED FROM CARCINOMA-ASSOCIATED STROMA OF INVASIVE PROSTATE CANCER.* **Cerda-Infante Javier**, Zumarán Consuelo, Conejeros Paola, Coronado Romina, Godoy Alejandro & Montecinos Viviana. XXVII Reunión Anual de la Sociedad De Biología Celular De Chile., Puerto Varas, Chile.
- *ROLE OF ANDROGENS IN THE ANGIOGENESIS INDUCED BY CARCINOMA-ASSOCIATED STROMA FROM INVASIVE HUMAN PROSTATE CANCER.* Coronado R, **Cerda-Infante J**, Conejeros P, Godoy A, Montecinos V. XXVII Reunión Anual de la Sociedad De Biología Celular De Chile. 2013, Puerto Varas, Chile.

Others EXPERIENCE

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| 2016 - Current | • Mentor Explora ANID
Advisors in Sciences for High school students of Chile. ANID (National Agency for Research and Development) |
| 2020 | • Mentor Biotech
Biotech and Health Industry, Program BRAIN 2020 |
| 2014 - Current | • Voluntary Program: "1000 Scientifics, 1000 Schools".
Explora, ANID (National Agency for Research and Development) |
| 2010 - Current | • Voluntary Program Techo Chile
Chilean social program helps to build houses for vulnerable Chileans |