

Lara J. Monteiro
Centro de Investigación e Innovación Biomédica
Doctorado en Biomedicina
Facultad de Medicina
Grupo de Placentación Temprana
Medicina
Programa de Biología de la Reproducción
Claustro Doctorado en Biomedicina
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Titulaciones

Doctorado, The role and regulation of FOXM1 in chemotherapy resistance in breast cancer, Imperial College London
1 ene. 2009 → 8 mar. 2013

Fecha de concesión: 8 mar. 2013

Máster, The DLGAP1 gene in schizophrenia, Cranfield University

1 oct. 2007 → 1 sep. 2008

Fecha de concesión: 4 jun. 2009

Título universitario, Evaluation of Determine® HIV-1/2 rapid assay within the population of volunteers that attended at early detection and counselling centre (EDCC) in Faro, Portugal., Universidade do Algarve

1 sep. 2003 → 1 ago. 2007

Fecha de concesión: 1 ago. 2007

Empleo

Centro de Investigación e Innovación Biomédica

Chile

1 jun. 2018 → present

Doctorado en Biomedicina

Chile

1 jun. 2018 → present

Facultad de Medicina

Chile

1 jun. 2018 → present

Grupo de Placentación Temprana

Chile

1 jun. 2018 → present

Medicina

Chile

1 jun. 2018 → present

Programa de Biología de la Reproducción

Chile

1 jun. 2018 → present

Claustro Doctorado en Biomedicina

Chile

1 ene. 2012 → present

Review Editor

Frontiers Cell and Developmental Biology

Suiza

19 oct. 2019 → present

PhD Student

Imperial College London

Reino Unido

1 ene. 2009 → 1 mar. 2013

PhD Biomedicine

Imperial College London

Reino Unido

1 ene. 2009 → 1 may. 2013

Resultado de la investigación

FOXM1 Participates in Trophoblast Migration and Early Trophoblast Invasion: potential Role in Blastocyst Implantation

Peñailillo, R., Velásquez, V., Acuña-Gallardo, S., García, F., Sánchez, M., Nardocci, G., Illanes, S. E. & Monteiro, L. J., 30 ene. 2024, En: International Journal of Molecular Sciences. 25, 3, p. 1-17 17 p., 1678.

Mesenchymal Stem Cells-Induced Trophoblast Invasion Is Reduced in Patients with a Previous History of Preeclampsia

Peñailillo, R., Acuña-Gallardo, S., García, F., Monteiro, L. J., Nardocci, G., Choolani, M. A., Kemp, M. W., Romero, R. & Illanes, S. E., 13 ago. 2022, En: International Journal of Molecular Sciences. 23, 16, 9071.

Identification of LOC101927355 as a Novel Biomarker for Preeclampsia

Peñailillo, R., Monteiro, L. J., Acuña-Gallardo, S., García, F., Velásquez, V., Correa, P., Díaz, P., Valdebenito, P. P., Navarro, C., Romero, R., Sánchez, M., Illanes, S. E. & Nardocci, G., 27 may. 2022, En: Biomedicines. 10, 6, 1253.

Maternal exposure to a high-magnitude earthquake during pregnancy influences pre-reading skills in early childhood

Bátiz, L. F., Palmeiro-Silva, Y. K., Rice, G. E., Monteiro, L. J., Galaburda, A. M., Romero, R., Choolani, M. A., Wyneken, U., Orellana, P. & Illanes, S. E., dic. 2021, En: Scientific Reports. 11, 1, p. 9244 9244.

Periodontitis and gestational diabetes mellitus: A potential inflammatory vicious cycle

Bendek, M. J., Canedo-Marroquín, G., Realini, O., Retamal, I. N., Hernández, M., Hoare, A., Busso, D., Monteiro, L. J., Illanes, S. E. & Chaparro, A., 1 nov. 2021, En: International Journal of Molecular Sciences. 22, 21, 11831.

The Role of Long Non-Coding RNAs in Trophoblast Regulation in Preeclampsia and Intrauterine Growth Restriction

Monteiro, L., Peñailillo, R., Sánchez, M., Acuña-Gallardo, S., Mönckeberg, M., Ong, J., Choolani, M., Illanes, S. & Nardocci, G., 1 jun. 2021, En: Genes. 12, 7, 970.

Supplementation of Omega 3 during Pregnancy and the Risk of Preterm Birth: A Systematic Review and Meta-Analysis

Serra, R., Peñailillo, R., Monteiro, L., Monckeberg, M., Peña, M., Moyano, L., Brunner, C., Vega, G., Choolani, M. & Illanes, S., 18 may. 2021, En: Nutrients. 13, 5, 1704.

Diagnostic performance of first trimester screening of preeclampsia based on uterine artery pulsatility index and maternal risk factors in routine clinical use.

Mönckeberg, M., Arias, V., Fuenzalida, R., Álvarez, S., Toro, V., Calvo, A., Kusanovic, J. P., Monteiro, L. J., Schepeler, M., Nien, J. K., Martínez, J. & Illanes, S. E., 2020, En: Diagnostics. 10, 4, 182.

Diagnostic potential of peri-implant crevicular fluid microRNA-21-3p and microRNA-150-5p and extracellular vesicles in peri-implant diseases

Chaparro, A., Atria, P., Realini, O., Monteiro, L. J., Betancur, D., Acuña-Gallardo, S., Ramírez, V., Bendek, M. J., Pascual, A., Nart, J., Beltrán, V. & Sanz, A., 2020, En: Journal of Periodontology.

Increased circulating levels of tissue-type plasminogen activator are associated with the risk of spontaneous abortion during the first trimester of pregnancy.

Monteiro, L. J., Varas-Godoy, M., Acuña-Gallardo, S., Correa, P., Passalacqua, G., Monckeberg, M., Rice, G. E. & Illanes, S. E., 2020, En: *Diagnostics*. 10, 4, 197.

Normality Ranges of Menstrual Fluid Volume during Reproductive Life Using Direct Quantification of Menses with Vaginal Cups

Donoso, M. B., Serra, R., Rice, G. E., Gana, M. T., Rojas, C., Khoury, M., Arraztoa, J. A., Monteiro, L. J., Acuña, S. & Illanes, S. E., 1 jul. 2019, En: *Gynecologic and Obstetric Investigation*. 84, 4, p. 390-395 6 p.

Reduced FOXM1 expression limits trophoblast migration and angiogenesis and is associated with preeclampsia.

Monteiro, L. J., Cubillos, S., Sanchez, M., Acuña-Gallardo, S., Venegas, P., Herrera, V., Lam, E. W. F., Varas-Godoy, M. & Illanes, S. E., 1 may. 2019, En: *Reproductive Sciences*. 26, 5, p. 580-590 11 p.

Angiogenic properties of menstrual stem cells are impaired in women with a history of preeclampsia

Varas-Godoy, M., Acuña-Gallardo, S., Venegas-Duarte, S., Hill, C., Caceres-Verschae, A., Realini, O., Monteiro, L., Zavala, G., Khoury, M., Romero, R., Rice, G. & Illanes, S., 2019, En: *Stem Cells International*. 2019, 1916542.

Vesículas extracelulares como predictores tempranos de diabetes gestacional

Arias, M., Monteiro, L. J., Acuña-Gallardo, S., Varas-Godoy, M., Rice, G. E., Monckeberg, M., Díaz, P. & Illanes, S. E., 2019, En: *Revista Medica de Chile*. 147, 12, p. 1503-1509 7 p.

Oral extracellular vesicles in early pregnancy can identify patients at risk of developing gestational diabetes mellitus

Monteiro, L. J., Varas-Godoy, M., Monckeberg, M., Realini, O., Hernández, M., Rice, G., Romero, R., Saavedra, J. F., Illanes, S. E. & Chaparro, A., 1 jun. 2018, En: *PLoS ONE*. 14, 6, e0218616.

Effects of earthquake on perinatal outcomes: A Chilean register-based study

Palmeiro-Silva, Y. K., Orellana, P., Venegas, P., Monteiro, L., Varas-Godoy, M., Norwitz, E., Rice, G., Osorio, E. & Illanes, S. E., feb. 2018, En: *PLoS ONE*. 13, 2, e0191340.

Fetal programming and gestational diabetes mellitus.

Monteiro, L. J., Norman, J. E., Rice, G. E. & Illanes, S. E., 1 dic. 2016, En: *Placenta*. 48, p. S54-S60

Paclitaxel targets FOXM1 to regulate KIF20A in mitotic catastrophe and breast cancer paclitaxel resistance

Khongkow, P., Gomes, A. R., Gong, C., Man, E. P. S., Tsang, J. W. H., Zhao, F., Monteiro, L. J., Coombes, R. C., Medema, R. H., Khoo, U. S. & Lam, E. W. F., 25 feb. 2016, En: *Oncogene*. 35, 8, p. 990-1002 13 p.

Placental aromatase is deficient in placental ischemia and preeclampsia

Perez-Sepulveda, A., Monteiro, L. J., Dobierzewska, A., España-Perrot, P. P., Venegas-Araneda, P., Guzmán-Rojas, A. M., González, M. I., Palominos-Rivera, M., Irarrazabal, C. E., Figueroa-Diesel, H., Varas-Godoy, M. & Illanes, S. E., 7 oct. 2015, En: *PLoS ONE*. 10, 10, 139682.

FOXA1 repression is associated with loss of BRCA1 and increased promoter methylation and chromatin silencing in breast cancer

Gong, C., Fujino, K., Monteiro, L. J., Gomes, A. R., Drost, R., Davidson-Smith, H., Takeda, S., Khoo, U. S., Jonkers, J., Sproul, D. & Lam, E. W. F., 24 sep. 2015, En: *Oncogene*. 34, 39, p. 5012-5024 13 p.

NFAT5 is up-regulated by hypoxia: Possible implications in preeclampsia and intrauterine growth restriction

Dobierzewska, A., Palominos, M., Irarrazabal, C. E., Sanchez, M., Lozano, M., Perez-Sepulveda, A., Monteiro, L. J., Burmeister, Y., Figueroa-Diesel, H., Rice, G. E. & Illanes, S. E., 1 jul. 2015, En: *Biology of Reproduction*. 93, 1, 14.

FOXM1 targets NBS1 to regulate DNA damage-induced senescence and epirubicin resistance

Khongkow, P., Karunaratna, U., Khongkow, M., Gong, C., Gomes, A. R., Yagüe, E., Monteiro, L. J., Kongsema, M., Zona, S., Man, E. P. S., Tsang, J. W. H., Coombes, R. C., Wu, K. J., Khoo, U. S., Medema, R. H., Freire, R. & Lam, E. W. F., 7 ago. 2014, En: *Oncogene*. 33, 32, p. 4144-4155 12 p.

The Forkhead Box M1 protein regulates BRIP1 expression and DNA damage repair in epirubicin treatment
Monteiro, L. J., Khongkow, P., Kongsema, M., Morris, J. R., Man, C., Weekes, D., Koo, C. Y., Gomes, A. R., Pinto, P. H., Varghese, V., Kenny, L. M., Charles Coombes, R., Freire, R., Medema, R. H. & Lam, E. W. F., 26 sep. 2013, En: *Oncogene*. 32, 39, p. 4634-4645 12 p.

SIRT6 modulates paclitaxel and epirubicin resistance and survival in breast cancer
Khongkow, M., Olmos, Y., Gong, C., Gomes, A. R., Monteiro, L. J., Yagüe, E., Cavaco, T. B., Khongkow, P., Man, E. P. S., Laohasinnarong, S., Koo, C. Y., Harada-Shoji, N., Tsang, J. W. H., Coombes, R. C., Schwer, B., Khoo, U. S. & Lam, E. W. F., jul. 2013, En: *Carcinogenesis*. 34, 7, p. 1476-1486 11 p.

The p38 MAPK-MK2 axis regulates E2F1 and FOXM1 expression after epirubicin treatment
De Olano, N., Koo, C. Y., Monteiro, L. J., Pinto, P. H., Gomes, A. R., Aligue, R. & Lam, E. W. F., sep. 2012, En: *Molecular Cancer Research*. 10, 9, p. 1189-1202 14 p.

Phosphorylation of FOXO3a on Ser-7 by p38 promotes its nuclear localization in response to doxorubicin
Ho, K. K., McGuire, V. A., Koo, C. Y., Muir, K. W., De Olano, N., Maifoshie, E., Kelly, D. J., McGovern, U. B., Monteiro, L. J., Gomes, A. R., Nebreda, A. R., Campbell, D. G., Arthur, J. S. C. & Lam, E. W. F., 6 ene. 2012, En: *Journal of Biological Chemistry*. 287, 2, p. 1545-1555 11 p.

The transcription factor encyclopedia.

Yusuf, D., Butland, S. L., Swanson, M. I., Bolotin, E., Ticoll, A., Cheung, W. A., Zhang, X. Y. C., Dickman, C. T. D., Fulton, D. L., Lim, J. S., Schnabl, J. M., Ramos, O. H. P., Vasseur-Cognet, M., de Leeuw, C. N., Simpson, E. M., Ryffel, G. U., Lam, E. W. F., Kist, R., Wilson, M. S. C., Marco-Ferreres, R., Y 79 másBrosens, J. J., Beccari, L. L., Bovolenta, P., Benayoun, B. A., Monteiro, L. J., Schwenen, H. D. C., Grontved, L., Wederell, E., Mandrup, S., Veitia, R. A., Chakravarthy, H., Hoodless, P. A., Mancarelli, M. M., Torbett, B. E., Banham, A. H., Reddy, S. P., Cullum, R. L., Liedtke, M., Tschan, M. P., Vaz, M., Rizzino, A., Zannini, M., Fietze, S., Farnham, P. J., Eijkelenboom, A., Brown, P. J., Laperrière, D., Leprince, D., de Cristofaro, T., Prince, K. L., Putker, M., del Peso, L., Camenisch, G., Wenger, R. H., Mikula, M., Rozendaal, M., Mader, S., Ostrowski, J., Rhodes, S. J., Van Rechem, C., Boulay, G., Olechnowicz, S. W. Z., Breslin, M. B., Lan, M. S., Nanan, K. K., Wegner, M., Hou, J., Mullen, R. D., Colvin, S. C., Noy, P. J., Webb, C. F., Witek, M. E., Ferrell, S., Daniel, J. M., Park, J., Waldman, S. A., Peet, D. J., Taggart, M., Jayaraman, P. S., Karrich, J. J., Blom, B., Vesuna, F., O'Geen, H., Sun, Y., Gronostajski, R. M., Woodcroft, M. W., Hough, M. R., Chen, E., Europe-Finner, G. N., Karolczak-Bayatti, M., Bailey, J., Hankinson, O., Raman, V., LeBrun, D. P., Biswal, S., Harvey, C. J., DeBruyne, J. P., Hogenesch, J. B. & Hevner, R. F., 2012, En: *Genome Biology*. 13, 3, p. R24

iASPP and chemoresistance in ovarian cancers: Effects on paclitaxel-mediated mitotic catastrophe

Jiang, L. L., Siu, M. K. Y., Wong, O. G. W., Tam, K. F., Lu, X., Lam, E. W. F., Ngan, H. Y. S., Le, X. F., Wong, E. S. Y., Monteiro, L. J., Chan, H. Y. & Cheung, A. N. Y., 1 nov. 2011, En: *Clinical Cancer Research*. 17, 21, p. 6924-6933 10 p.

ATM and p53 regulate FOXM1 expression via E2F in breast cancer epirubicin treatment and resistance

Millour, J., De Olano, N., Horimoto, Y., Monteiro, L. J., Langer, J. K., Aligue, R., Hajji, N. & Lam, E. W. F., jun. 2011, En: *Molecular Cancer Therapeutics*. 10, 6, p. 1046-1058 13 p.

Definition of microRNAs that repress expression of the tumor suppressor gene FOXO1 in endometrial cancer (Cancer Research (2010) 70, (367-77) DOI: 10.1158/0008-5472.CAN-09-1891)

Myatt, S. S., Wang, J. & Monteiro, L. J., 15 feb. 2010, En: *Cancer Research*. 70, 4, p. 1747 1 p.

Definition of microRNAs that repress expression of the tumor suppressor gene FOXO1 in endometrial cancer

Myatt, S. S., Wang, J., Monteiro, L. J., Christian, M., Ho, K. K., Fusi, L., Dina, R. E., Brosens, J. J., Ghaem-Maghami, S. & Lam, E. W. F., 1 ene. 2010, En: *Cancer Research*. 70, 1, p. 367-377 11 p.

FOXM1 confers acquired cisplatin resistance in breast cancer cells

Kwok, J. M. M., Peck, B., Monteiro, L. J., Schwenen, H. D. C., Millour, J., Coombes, R. C., Myatt, S. S. & Lam, E. W. F., ene. 2010, En: *Molecular Cancer Research*. 8, 1, p. 24-34 11 p.

Constitutively nuclear FOXO3a localization predicts poor survival and promotes Akt phosphorylation in breast cancer
Chen, J., Gomes, A. R., Monteiro, L. J., Wong, S. Y., Wu, L. H., Ng, T. T., Karadedou, C. T., Millour, J., Ip, Y. C., Cheung, Y. N., Sunters, A., Chan, K. Y. K., Lam, E. W. F. & Khoo, U. S., 2010, En: PLoS ONE. 5, 8, e12293.

Actividades

Neuropilina-1 soluble, interleuquina-33 y su receptor en forma soluble ST2 en fluido gingival crevicular y su relación con la severidad de periodontitis durante el embarazo: Estudio piloto de corte transversal.

Lara Monteiro (Examinador)
11 ene. 2019

Undergraduate Thesis

Maria Fernanda Cambara de Dios (Participante)
28 nov. 2018

The role of FOXM1 in early placentation in normal pregnancy

Lara J. Monteiro (Orador)
24 oct. 2016

Placental aromatase is deficient in placental hypoxia and preeclampsia

Lara J. Monteiro (Orador)
15 jul. 2015

Prensa/medios de comunicación

Concesiones

FONDECYT REGULAR - 1241103: DECIPHERING THE ROLE OF MITOCHONDRIAL TRANSFER IN THE PATHOPHYSIOLOGY OF PREECLAMPSIA

Illanes, S., Acuña, S., J. Monteiro, L. & Nardocci, G.
Agencia Nacional de Investigación y Desarrollo (ANID), Chile: \$268.580

Proyectos

Center of Interventional Medicine for Precision and Advanced Cellular Therapy (IMPACT)

Khoury, M., Alcayaga-Miranda, F., Cuenca, J., Acevedo, J. P., Figueroa, F., Luz Crawford, P. A., Wyneken, Ú., Illanes, S., Batiz, L. F., Busso, D., J. Monteiro, L., Nardocci, G., Enrione, J. I., Espinoza, F., Valenzuela Bravo, M. T. & Prieto, M.
Agencia Nacional de Investigación y Desarrollo (ANID), Chile
1/11/21 → 31/10/26

FONDECYT REGULAR - 1241103: DECIPHERING THE ROLE OF MITOCHONDRIAL TRANSFER IN THE PATHOPHYSIOLOGY OF PREECLAMPSIA

Illanes, S., J. Monteiro, L., Nardocci, G. & Acuña, S.
Agencia Nacional de Investigación y Desarrollo (ANID), Chile
1/04/24 → 31/03/28

Mirando al futuro: Efectos del estrés prenatal y perinatal asociado a la pandemia COVID-19 en el neurodesarrollo de niñas y niños de Chile

Batiz, L. F., Illanes, S., J. Monteiro, L., Tenorio, M., Avaria, M. D. L. A., Nardocci, G., Nuñez, M. I. & Peñailillo, R.
Agencia Nacional de Investigación y Desarrollo (ANID), Chile
6/07/20 → 1/01/22

FONDECYT REGULAR - 1211384: PRENATAL STRESS: MATERNAL ASTROCYTE-DERIVED EXTRACELLULAR VESICLES AS A NOVEL STRESS-TRANSFER MECHANISM CONTRIBUTING TO ADVERSE OFFSPRING NEURODEVELOPMENT

Batiz, L. F., Nardocci, G., Wyneken, Ú., Illanes, S., J. Monteiro, L. & Caradeux, J.
Agencia Nacional de Investigación y Desarrollo (ANID), Chile

1/04/21 → 31/03/25

FONDECYT REGULAR - 1201851: ROLE OF MESENCHYMAL STEM CELLS IN IMPLANTATION AND THEIR CONTRIBUTION TO THE DECIDUALIZATION DISORDERS PRESENT IN PREECLAMPSIA

Illanes, S., Pino-Lagos, K., J. Monteiro, L. & Acuña, S.
Agencia Nacional de Investigación y Desarrollo (ANID), Chile
1/04/20 → 31/03/23

FONDECYT REGULAR - 1230932: THE POTENTIAL ROLE OF MENSTRUAL MESENCHYMAL STEM CELLS IN THE ETIOPATHOLOGY OF ENDOMETRIOSIS AND ITS ASSOCIATION WITH IMPAIRED ENDOMETRIUM RECEPTIVITY

J. Monteiro, L., Donoso, M. B., Vega-Letter, A. M., Illanes, S. & Luz Crawford, P. A.
Agencia Nacional de Investigación y Desarrollo (ANID), Chile
1/04/23 → 31/03/27

The role and regulation of FOXM1 in chemotherapy resistance in breast cancer

J. Monteiro, L.
1/01/09 → 31/12/12

FONDECYT INICIACIÓN - 11181249: THE ROLE OF FOXM1 IN EARLY PREECLAMPSIA-RELATED EVENTS

J. Monteiro, L.
Agencia Nacional de Investigación y Desarrollo (ANID), Chile
1/11/18 → 16/05/23

The role of the aromatase pathway in 2-methoxyestradiol synthesis in the pathogenesis of preeclampsia

J. Monteiro, L. & Illanes, S.
2/11/13 → 30/11/17

Validación de algoritmo multiparamétrico para la predicción temprana de Diabetes Gestacional mediante marcadores plasmáticos maternos

Illanes, S., J. Monteiro, L., Correa, P. & Monckeberg, M.
1/01/20 → 1/01/23

Cursos

DOCB1110 Biología Celular y Molecular en Biomedicina

Lara J. Monteiro, Gino Nardocci, Luis Federico Batiz, Dolores Busso, Juan Pablo Acevedo, Patricia Alejandra Luz Crawford & Úrsula Wyneken
22/03/21 → 30/06/21

DOCB1210 - Avances Biotecnológicos en Medicina

Lara J. Monteiro, Ingrid Macarena Contardo, Gino Nardocci, Juan Pablo Acevedo, Maroun Khoury, Fernando Figueroa, Patricia Alejandra Luz Crawford, Karina Pino-Lagos, Úrsula Wyneken, Francisca Alcayaga-Miranda, Javier Ignacio Enrione, Carlos Ernesto Irarrazabal Muñoz, Sebastián Illanes, Luis Federico Batiz, Alejandra Chaparro, Ziyad S. Haidar, Paulo César Díaz Calderón & Anil Prem Sadarangani Khainey
2/08/21 → ...

DOCB3364 Tópicos Avanzados en Biomedicina: Contenido Optativo

Lara J. Monteiro, Dolores Busso, Sebastián Illanes, Luis Federico Batiz, Alejandra Chaparro & Max Monckeberg
20/08/20 → 14/12/20

NRC2217 Investigación Preclínica

Lara J. Monteiro & Alejandra Chaparro
9/03/20 → 30/06/20

NRC4635_Programa de Investigación Biomédica en la Uandes

Karina Pino-Lagos, Ingrid Macarena Contardo, Paulo César Díaz Calderón, Patricia Alejandra Luz Crawford, Úrsula Wyneken, Sebastián Illanes, Dolores Busso, Lara J. Monteiro, Carlos Ernesto Irarrazabal Muñoz & Gino Nardocci
1/06/18 → ...

Doctoral Thesis (ongoing)

El eje IL-8/CXCR1 regula la liberación de vesículas extracelulares con un perfil protumorigénico provenientes de células de cáncer de ovario.

Albano J. Cáceres Verschae (Author)

Estudiante Doctorado en Biomedicina Universidad de los Andes Universidad de San Sebastián (external)

Supervisor: Manuel Varas-Godoy

Universidad de San Sebastián (external)

Co-Supervisor: **Lara J. Monteiro** Centro de Investigación e Innovación Biomédica Doctorado en Biomedicina Facultad de Medicina Grupo de Placentación Temprana Programa de Biología de la Reproducción Claustro Doctorado en Biomedicina

2018 → ...