

PERSONAL DATA

AVILA, Damián Ezequiel Gualberto.

Place and date of birth: La Plata (Buenos Aires), 05/10/1982.

COLLEGE DEGREE

Biochemist

School of Exact Science (FCE), National University of La Plata (UNLP), 2007.

CURRENT POSITION

PhD Student in Biological Science, FCE, UNLP.

Graduate Assistant, Immunology, FCE, UNLP.

FELLOWSHIPS

Undergraduate:

Training Fellowship for University Students, Scientific Research Commission of Buenos Aires Province, (09/06-08-07).

Topic: The role of gene *guaB* in the nitrogen-fixing symbiosis with legumes.

Director: Dr. Aguilar OM

Workplace: Biochemist and Molecular Biology Institute, FCE, UNLP.

Graduate:

Type I Graduate Fellowship, National Research Council of Argentina (CONICET), (04/08-03/11).

Topic: Combined strategies to enhance the anti-tumor response: Modulation of the innate and adaptive response against the tumors.

Director: Dr. Zwirner NW

Co-director: Dr. Rabinovich GA

Workplace: Biology and Experimental Medicine Institute (IBYME), CONICET.

Type II Graduate Fellowship, CONICET, (04/11-03/13).

Topic: Molecular and cellular mechanisms involved in the interaction between tolerogenic dendritic cells and NK cells.

Director: Dr. Zwirner NW

Workplace: IBYME, CONICET.

PEER-REVIEWED SCIENTIFIC PUBLICATIONS

Tumour-experienced T cells promote NK cell activity through trogocytosis of NKG2D and NKp46 ligands.

Domaica CI, Fuertes MB, Rossi LE, Girart MV, Avila DE, Rabinovich GA and Zwirner NW

EMBO reports (2009) 10, 908-915.

AWARDS

“LEONARDO SATZ” AWARD from the Argentine Society of Immunology to the best work in basic immunology: “NKp46- and IL-10-dependent silencing of NK cell-mediated IFN- γ production upon cross talk with tolerogenic dendritic cells”.

1^o French-Argentine Meeting of Immunology (2010).

ABSTRACTS AT SCIENTIFIC MEETINGS

LVI Annual Scientific Meeting of the Argentine Society of Immunology, XI Annual Scientific Meeting of the “Rioplataense” Flow Cytometry Group. La Falda (Córdoba), 22-25/10/08.

1) Regulation of degranulation and secretion of INF- γ in NK cells by activated T lymphocytes, that have experienced contact with tumor cells, through the capture of NKG2D and NKp46 ligands.

Domaica CI, Fuertes MB, Rossi LE, Girart MV, Avila DE, Rabinovich GA, Zwirner NW.

2) The anti-oncogene P21 is a negative regulator of MICA expression.

Rossi LE, Domaica CI, Fuertes ME, Girart MV, Avila DE, Rabinovich GA, Monte, M, Zwirner NW.

9th Latin American Congress of Immunology, XII Chilean Society of Immunology Congress, LVII Argentinean Society of Immunology Satellite Scientific Meeting. Viña del Mar, (Chile), 3-7/11/09.

3) Human tolerogenic dendritic cells inhibit NK cell-mediated IFN- γ secretion through soluble factors and cell surface molecules.

Avila DE, Girart MV, Rossi LE, Domaica CI, Spallanzani RG, Rabinovich GA & Zwirner NW.

1º French-Argentine Meeting of Immunology, LVIII Annual Meeting of the Argentine Society of Immunology, XIII Scientific Meeting of the “Rioplataense” Flow Cytometry Group, 3º Argentine Conference on Primary Immunodeficiencies
Buenos Aires, 3-5/11/10.

4) NKp46- and IL-10-dependent silencing of NK cell-mediated IFN- γ production upon cross talk with tolerogenic dendritic cells.

Avila DE; Rossi LE; Domaica CI; Spallanzani RG; Ziblat A; Rabinovich GA; Zwirner NW.

5) Histone deacetylase inhibitors compromise NK cell viability and effector functions through downregulation of activating receptor expression.

Rossi LE; Avila DE; Spallanzani RG; Ziblat A; Domaica CI and Zwirner NW.

6) Immunoregulatory effects of progesterone on peripheral blood-derived human NK cells involve down-regulation of NKp46.

Spallanzani RG; Rossi LE; Avila DE; Domaica CI; Ziblat A; Rabinovich GA; Salatino M; Zwirner NW.

TEACHING POSITIONS

Undergraduate Assistant, Basic and Applied Biology, FCE, UNLP, (06/07-02/10).

Graduate Assistant, Basic and Applied Biology, FCE, UNLP, (12/09-08/10).

Graduate Assistant, Immunology, FCE, UNLP, (02/10-current).

MORE PROFESSIONAL BACKGROUND

Practice Research in Clinical Biochemistry.

Topic: Purification and characterization of a anti-human IgE monoclonal antibody. Application in serological tests (09/06-02/07).

Director: Dr. Docena GH

Workplace: Research Laboratory in the Immune System, FCE, UNLP.