



Curriculum Vitae Sketch

Name: Aura Muntasell Castellví
Birth date: 05.05.1972 Citizenship: Spanish
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Position title: Researcher
Gender (M/F): F
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1. Education / Training

Degree	Institution	Year(s)
Licenciada en Biologia	Universitat Autònoma de Barcelona	1996
Doctora en Immunologia	Universitat Autònoma de Barcelona	2002

2. Professional academic positions

Dates (from-until)	Position	Department & Institution
2017-	Researcher	IMIM
2011-2016	Researcher AECC	IMIM
2010-2011	Postdoctoral Researcher Red Heracles	IMIM
2007-2009	Juan de la Cierva Postdoctoral Researcher	DCEXS, Pompeu Fabra University
2003-2006	Postdoctoral Visiting Fellow	NCI, National Institutes of Health
2002-2003	Postdoctoral Researcher	Universitat Autònoma de Barcelona
1997-2002	Predocctoral student	Universitat Autònoma de Barcelona

3. Publications (Selected from a total of 44)(February 2019)

h-index 18

1. **Muntasell A**, Rojo F, Servitja S, Rubio-Perez C, Cabo M, Tamborero D, Costa-García M, Martínez-García M, Menéndez S, Vazquez I, Lluch A, Gonzalez-Perez A, Rovira A, López-Botet M, Albanell J. NK Cell Infiltrates and HLA Class I Expression in Primary HER2+ Breast Cancer Predict and Uncouple Pathological Response and Disease-free Survival. *Clin Cancer Res.* 2018 Dec 6. doi: 10.1158/1078-0432.CCR-18-2365. (IF:10.1).
2. **Muntasell A**, Cabo M, Servitja S, Tusquets I, Martínez-García M, Rovira A, Rojo F, Albanell J, López-Botet M. Interplay between Natural Killer Cells and Anti-HER2 Antibodies: Perspectives for Breast Cancer Immunotherapy. *Front Immunol.* 2017 Nov 13;8:1544 (IF:5.51; C:6)
3. **Muntasell A**, Ochoa MC, Cordeiro L, Berraondo P, López-Díaz de Cerio A, Cabo M, López-Botet M, Melero I. Targeting NK-cell checkpoints for cancer immunotherapy. *Curr Opin Immunol.* 2017 Feb 22;45:73-81. (IF: 7.126; C:41).
4. **Muntasell A**, López-Botet M. Natural Killer Cell-Based Immunotherapy in Acute Myeloid Leukemia: Lessons for the Future. *Clin Cancer Res.* 2016 Apr 15;22(8):1831-3. (IF:10.1; C:2)
5. Baía D; Pou J; Jones D; Mandelboim O; Trowsdale J; **Muntasell A***; López-Botet M*(2016). Interaction of the LILRB1 inhibitory receptor with HLA class Ia dimers. *European Journal of Immunology*; 46: 1681-90 (IF: 4.03; C:3) (*shared credit).
6. **Muntasell A**; Pupuleku A; Cisneros E; Vera A; Moraru M; Vilches C; López-Botet M. (2016) Relationship of NKG2C Copy Number with the Distribution of Distinct Cytomegalovirus-Induced Adaptive NK Cell Subsets. *Journal of Immunology.* ; 196: 3818-27 (IF: 5.78; C:27).
7. Costa-García M; Vera A; Moraru M; Vilches C; López-Botet M*; **Muntasell A***. (2015) Antibody-Mediated Response of NKG2Cbright NK Cells against Human Cytomegalovirus. *J Immunol.* 194 - 6, pp. 2715 – 2724; (IF: 5.788; C:56). (*shared credit).

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8. Miguel López-Botet Arbona; **Aura Muntasell** Castellví; Carlos Vilches Ruiz. (2014) The CD94/NKG2C+ NK-cell subset on the edge of innate and adaptive immunity to human cytomegalovirus infection. *Seminars in Immunology*. 26 - 2, pp. 145 – 51. (IF: 6.124, C:55).
 9. **Aura Muntasell**; María López Montañés; Andrea Vera; Gemma Heredia; Neus Romo; Judith Peñafiel; Manuela Moraru; Joan Vila; Carlos Vilches; Miguel López-Botet. (2013) NKG2C zygosity influences CD94/NKG2C receptor function and the NK-cell compartment redistribution in response to human cytomegalovirus. *European Journal of Immunology*. 43 - 12, pp. 3268 - 78. (IF: 5.01, C:42).
 10. **Aura Muntasell**; Carlos Vilches; Ana Angulo; Miguel López-Botet. Adaptive reconfiguration of the human NK-cell compartment in response to cytomegalovirus: a different perspective of the host-pathogen interaction. (2013) *European Journal of Immunology*. 43 - 5, pp. 1133 - 1141. 2013. (IF: 5.01,C:66).
 11. **Aura Muntasell**; Marcel Costa Garcia; Andrea Vera; Noemí Marina Garcia; Carsten Kirschning; Miguel López-Botet (2013). Priming of NK cell anti-viral effector mechanisms by direct recognition of human cytomegalovirus. *Frontiers Immunology*. 4, pp. 40. 2013 (IF: 5.695,C:13).
 12. Giuliana Magri; **Aura Muntasell**; Neus Romo; Andrea Sáez Borderías; Daniela Pende; Daniel E Geraghty; Hartmut Hengel; Ana Angulo; Alessandro Moretta; Miguel López Botet. (2011) NKp46 and DNAM-1 NK-cell receptors drive the response to human cytomegalovirus-infected myeloid dendritic cells overcoming viral immune evasion strategies. *Blood*. 117 - 3, pp. 848 – 904. (IF: 10.555, C:85).
 13. **Aura Muntasell**; Giuliana Magri; Daniela Pende; Ana Angulo; Miguel López Botet. (2010) Inhibition of NKG2D expression in NK cells by cytokines secreted in response to human cytomegalovirus infection. *Blood*. 115 - 25, pp. 5170 -5179. (IF: 10.555, n. citations:31).
 14. **Aura Muntasell**; Adam C Berger; Paul A Roche (2007). T cell-induced secretion of MHC class II-peptide complexes on B cell exosomes. *The EMBO journal*. 26 - 19, pp. 4263 - 4335. 0261-4189 (IF: 9,2; C: 156).
 15. **Aura Muntasell**; Montserrat Carrascal; Iñaki Alvarez; Laurence Serradell; Peter van Veelen; Frank A W Verreck; Frits Koning; Joaquín Abian; Dolores Jaraquemada (2994). Dissection of the HLA-DR4 peptide repertoire in endocrine epithelial cells: strong influence of invariant chain and HLA-DM expression on the nature of ligands. *Journal of immunology (Baltimore, Md. : 1950)*. 173 - 2, pp. 1085 – 1178. (IF: 5.788, C:55).
 16. **Aura Muntasell**; Montserrat Carrascal; Laurence Serradell; Peter van Veelen Pv; Frank Verreck; Frits Koning; Graça Raposo; Joaquín Abián; Dolores Jaraquemada.(2002). HLA-DR4 molecules in neuroendocrine epithelial cells associate to a heterogeneous repertoire of cytoplasmic and surface self peptides. *Journal of immunology (Baltimore, Md. : 1950)*. 169 - 9, pp. 5052 - 5112. (IF: 5.788, C:35).
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4. Research Grants (only competitive)

As Principal Investigator (last 6 years). Please follow this order: Title, funding organization, institution, code n., duration

1. Development of molecular tools to enhance NK cell-mediated ADCC responses elicited by trastuzumab against breast cancer; Worldwide Cancer Research; IP: Ignacio Melero, Miguel López-Botet, Aura Muntasell; IMIM; code n: 15-1146; 2015-2018
 2. Potenciación de la Citotoxicidad dependiente de anticuerpo mediada por linfocitos NK para inmunoterapia del cancer; Asociación Española Contra el Cáncer; IP: Ignacio Melero, Miguel López-Botet, Joan Albanell, Carlos Vilches, Jordi Rodon, Pedro Berraondo, Aura Muntasell; IMIM; code n: GCB15152947MELE, 2015-2018
 3. Uncovering resistance to monoclonal antibodies in colorectal and breast cancer; FIS/ISCIII; IP: Joan Albanell (Coordinador), Aura Muntasell, Miguel López-Botet, , Antonio Garcia de Herreos, Lluís Espinosa, Laura Furlong, Bea Bellosillo; IMIM; code n: PIE15/00008; 2015-2019
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7. Oral Presentations in International Meetings

-European Congress of Immunology, CD137 (4-1BB) costimulation counteracts TGF- β 1 inhibition of antibody-dependent NK cell responses against HER2+ transformed cells. Mariona Cabo, Roberto Lozano, Michelle Ataya, Marcel Costa-García, Sara Santana, M^a Carmen Ochoa, Pedro Berraondo, Ignacio Melero, Miguel López-Botet and **Aura Muntasell**. Amsterdam, 2018

-CMV Workshop, Antibody-mediated response of NKG2Cbright NK-cells against human cytomegalovirus. Marcel Costa-Garcia, Andrea Vera, Manuela Moraru, Carlos Vilches, Miguel López-Botet, **Aura Muntasell**, Amsterdam 2014

-Natural Killer Cell Symposium. Antibody-mediated response of NKG2Cbright NK-cells against human cytomegalovirus. Marcel Costa-Garcia, Andrea Vera, Manuela Moraru, Carlos Vilches, Miguel López-Botet, **Aura Muntasell**, Hanover 2014

8. Ph.D Thesis Director

Number of thesis accomplished: 4

-Role of the LILRB1 HLA class I specific inhibitory receptor in the regulation of macrophage function; Diogo Nogueira de Graça Baía; 24/10/2014; Supervisors: Miguel López-Botet and Aura Muntasell. Excelente Cum Laude

-Influence of the NKG2C genotype in the development of adaptive NK cells and characterization of the antibody-mediated response to Epstein-Barr virus. María López Montañés; 25/11/2016; Supervisors: Miguel López-Botet and Aura Muntasell. Excelente Cum Laude.

-Characterization of cytomegalovirus-induced adaptive NK cells and the role of CD94/NKG2C receptor. Aldi Pupuleku; 10/11/2017; Supervisors: Miguel López-Botet and Aura Muntasell. Excelente Cum Laude.

-Interplay of human adaptive NKG2C+ Nk cells with specific antibodies and T cells in the response to cytomegalovirus infection. Marcel Costa-Garcia 11/06/2018, Supervisors: Miguel López-Botet and Aura Muntasell. Excelente Cum Laude

9. Honours and other professional activities

Dates (from-until)	Description
2016	Research Accreditation by the AQU
2016	Evaluation comitee for PhD grants, Fundació AECC
2010-2014	Board member of Societat Catalana d'Immunologia
2015-2016	Lecturer, Máster en Transplante Hematopoyético; Universitat de Valencia
2014-2016	Lecturer, Biological Sciences; Universitat Autònoma de Barcelona

10. Any other relevant information you may consider worth mentioning

(Limit extension to 10 lines max)

Invited conferences:

- 1- Cancer Immunoediting; Conferencia invitada, II Foro de Inmunología Traslacional e Inmunoterapia del Cáncer Sevilla, 2016, Sevilla 2017, Madrid 2018 GÉTICA Grupo Español de Terapias Inmuno-biológicas en cáncer
 - 2- Tumor Immunology. New horizons and Current controversies in immuno-oncology; Hospital Clínic de Barcelona, 2016; Barcelona 2017; Barcelona 2018
 - 3- Optimizing Immunotherapy; Hospital del Mar-IMIM; Barcelona 2017, 2018
 - 4- Mecanismos efectores de la respuesta inmunitaria antitumor. Inmunogenicidad y microambiente tumoral. I Sesión Educativa Inmunoterapia del Cáncer, 2015, Grupo Español Multidisciplinar de Melanoma.
 - 5- Linfocitos NK y ADCC. Curso de Inmunología e inmunoterapia para oncólogos, 2014, Bristol-Myers Squibb
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