

		<p>tiotropium. <i>Respir Res</i> 2010;11:135.</p> <p>8. <u>Ramos-Barbón D.</u>, Fraga-Iriso R., Brienza N.S., Montero-Martínez C., Verea H., Olivenstein R., Lemiere C., Ernst P., Hamid Q.A., Martin J.G. T cells localize with proliferating α-SMA+ cell compartments in asthma. <i>Am J Respir Crit Care Med</i> 2010;182(3):317-24.</p>
	Main research Projects (last 5 years)	<ol style="list-style-type: none"> 1. SEPAR. The interaction between immune regulation and airway remodeling in asthma disease mechanisms: pathogenic outcomes versus therapeutic potential. 2012. 12,000 € 2. Fundació Catalana de Pneumologia (FUCAP). The interaction between immune regulation and airway remodeling in asthma disease mechanisms: pathogenic outcomes versus therapeutic potential. 2012 Vifor Farma Award. 9,000.00 € 3. FIS. The interaction between immune regulation and airway remodeling in asthma disease mechanisms: pathogenic outcomes versus therapeutic potential. PI11/01001. 156,540.12 € 4. GlaxoSmithKline Collaborative Research Trial. The role of adult mesenchymal stem cells in asthma: contribution to airway remodeling versus immunoregulatory and therapeutic potential. 2010. 64,400.00 € 5. SEPAR. Development of a biobank specialized in bronchial biopsy for asthma research. 09/862. 12,000.00 € 6. FIS. Role of effector versus regulatory T cells in asthma airway remodeling and stem cell mechanisms. PI08/1822. 215,017.00 €
	Stable International cooperations	<p>James G. Martin. McGill Univrsity, Montreal, Canada. Patrick Berger. Université Bordeaux-2, Burdeos, Francia.</p>
Capacities & Resources	Expertise	Asthma; COPD; Disease Animal Models; Clinical Trials.
	Technical skills	Rodent mechanical ventilation and pulmonary function testing; cell and molecular biology.
	Specific and singular Facilities & Equipment	Experimental pneumology laboratory, equipped with: mouse/rat mechanical ventilation & pulmonary function testing equipment; level-2 biocontainment facility for cell culture & gene transduction. Clinical trial facility (at <i>Centro de investigación de Medicamentos</i>) with spirometry, ECG equipment and 6 beds for overnight/PK studies.
	Model Organisms	<ul style="list-style-type: none"> - Mouse and rat experimental asthma. - Retroviral cell gene transduction system for in vivo adoptive transfer.
	Clinical guidelines &	

	Statements of Scientific Societies
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