

**1. Institution:** Departamento de Reproducción Animal. Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (INIA). Avda. Puerta de Hierro s/n. 28040-Madrid (Spain).

**2. Principal investigator and contact person**

Antonio Gonzalez-Bulnes (bulnes@inia.es)

Phone: 34 91 347 4022

Fax: 34 91 347 4014

**3. Key personnel**

NAME	EMAIL	RESEARCH AREA DETAILS

**4. Research profile**

Physiology and biotechnology of reproduction in laboratory and farm animals with special emphasis on ovarian and uterine features and embryo-maternal relationship.

**5. Key technologies and tools**

*In vitro* and *in vivo* embryo production - embryo transfer -- hormonal assays – non-invasive imaging – ultrasonography – magnetic resonance imaging.

**6. Selected publications (max. 5)**

Gonzalez-Bulnes, A.; García-García, R. M.; Castellanos, V.; Santiago-Moreno, J.; Ariznavarreta, C.; Domínguez, V.; López-Sebastián, A.; Tresguerres, J. A. F.; Cocero, M. J. Influence of maternal environment on the number of transferable embryos obtained in response to superovulatory FSH treatments in ewes. *Reproduction, Nutrition, Development* 2003, 43: 17-28

González-Bulnes, A.; Souza, C. J. H.; Campbell, B.K.; Baird, D.T. Effect of Ageing on Hormone Secretion and Follicular Dynamics in Sheep with and without the Booroola Gene (FecB). *Endocrinology* 2004, 145: 2858-2864.

Gonzalez-Bulnes, A., Souza, C.J.H., Scaramuzzi, R.J.; Campbell, B.K., Baird, D.T. Long-term suppression of reproductive function by a single dose of gonadotropin-releasing hormone antagonists in a sheep model. *Fertility and Sterility* 2006, 86: 1121-1128.

Gonzalez-Bulnes A, Veiga-Lopez A. Evidence of intraovarian follicular dominance effects during controlled ovarian stimulation in a sheep model. *Fertility and Sterility*. 2008, 89: 1507–1513.

Pallares, P., Gonzalez-Bulnes, A. Non-invasive characterization of phenotypic changes during embryo development in different mouse genotypes. *Theriogenology* 2008, 70: 44–52