

# FEDERICO RANDI

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## **Corporate Technical Manager for Ruminants Reproduction, Ceva Animal Health France.**

**September 2017-present**

Main responsibilities: Global technical support and training in cattle reproduction, experimental design and data analysis for post-marketing trials, R&D department, extension and training to key accounts.

## **EDUCATION:**

**PhD: School of Agriculture and Food Science University College Dublin, January 2014-February 2017 (Awarded the 14<sup>th</sup> of February 2017)**

- Doctorate Project Title: “An integrated approach to improving the reproductive efficiency of seasonal-calving cow herds in Ireland”  
Supervisors: Professor Patrick Lonergan (UCD), Professor David A Kenny (Teagasc).

**European College of Animal Reproduction Resident, University College of Dublin February 2014- November 2017**

- The Committee of the E.C.A.R. has evaluated my CV and my PhD Research program, accepting my application as Resident in “Ruminant Reproduction and Herd Health”. This will give me the possibility to complete my education as a European Vet Specialist in animal reproduction. My residency program was supervised by Dr. Marijke E Beltman University College Dublin and Professor Patrick Lonergan, University College Dublin.

**Esame di Stato Medici Veterinari Bologna Italy, June 2013**

- Passed the qualifying examination for the Italian Veterinary Register (D.V.M.).
- Ranked 1<sup>st</sup> in graduating class for the qualifying exam (116/120).

**University of Bologna- Degree Veterinary Medicine School, Italy, 2013**

**Student- “*Summa cum laude*” (with Honor)**

- Thesis title: ”Effects of FSH pre-stimulation in Mediterranean Italian Buffaloes for Ovum Pick-Up and *in vitro* embryo production”. Thesis project Supervisor Prof. Cesare Galli.

## FULL-LENGTH PUBLICATIONS:

**Randi F**, Fernandez-Fuertes B, McDonald M, Forde N, Kelly AK, Astos Amorin H, Muniz de Lima E, Morotti F, Marcondes Seneda M, Lonergan P. Asynchronous embryo transfer as a tool to understand embryo uterine interaction in cattle: is a large conceptus a good thing? *Reprod Fertil Dev* 2015 Jul 29. doi: 10.1071/RD15195.

**Randi F**, McDonald M, Duffy P, Kelly AK, Lonergan P. The relationship between external auditory canal temperature and onset of oestrus and ovulation in beef heifers. *Theriogenology*. 2018 Apr 1;110:175-181. doi: 10.1016.

**Randi F**, Sanchez JM, Herlihy MM, Valenza A, Kenny DA, Butler ST, Lonergan P. Effect of equine chorionic gonadotropin treatment during a progesterone-based timed artificial insemination program on reproductive performance in seasonal-calving lactating dairy cows. *J Dairy Sci*. 2018 Nov;101(11):10526-10535. doi: 10.3168.

Sanchez JM, **Randi F**, Passaro C, Mathew DJ, Butler ST, Lonergan P. Effect of human chorionic gonadotrophin administration 2 days after insemination on progesterone concentration and pregnancy per artificial insemination in lactating dairy cows. *J Dairy Sci*. 2018 Jul;101(7):6556-6567. doi: 10.3168.

O'Hara L, Forde N, Duffy P, **Randi F**, Kelly AK, Valenza A, Rodriguez P, Lonergan P. Effect of combined exogenous progesterone with luteotrophic support via equine chorionic gonadotropin (eCG) on corpus luteum development, circulating progesterone concentrations and embryo development in cattle. *Reprod Fertil Dev*. 2016 Mar;28(3):269-77. doi: 10.1071/RD14019.

**Randi F**, Parr M, Doolan P, Diskin MG, Valenza A, Rodriguez P, Lonergan P, Kenny DA. Effect of oestrous synchronization programme, season, body condition score and ovarian status on pregnancy rate to fixed time AI in beef cows. In preparation.

## RESEARCH PRESENTED AT SCIENTIFIC MEETINGS/ INVITED SPEAKER

**Randi F**. Why hormonal therapy is important for the reproductive management of Dairy and Beef herds?; Jornada Internacional Científico-Técnica de reproducción, Humeco; 22<sup>nd</sup> November 2018 (Huesca, Spain) (Invited Lecturer).

**Randi F**, Optimizing Reproductive Management Strategies for Suckled Beef Herds under Pasture Based Condition. RUMINANT VETERINARY ASSOCIATION OF SOUTH AFRICA; Annual Congress 20<sup>th</sup> 22<sup>th</sup> of May 2018 (Johannesburg, South Africa) (Invited Lecturer).

**Randi F**, The use of Synchronization to Maximize Labor Efficiency and Improve Calving Rate in Seasonal Pasture Based Dairy Productive Systems. RUMINANT VETERINARY ASSOCIATION OF SOUTH AFRICA; Annual Congress 20<sup>th</sup> 22<sup>th</sup> of May 2018 (Johannesburg, South Africa) (Invited Lecturer).

Vanda Santos, Paulo Carvalho, Bruno Carneiro, Carolina Maia, Alessio Valenza, Pedro Pinho, **Federico Randi** and Paul Fricke: Delaying progesterone releasing intravaginal device removal by 24 h during a 5-Day PRIDsynch protocol decreased estrus expression before timed AI without

affecting fertility in Holstein heifers; World Buiatrics Congress, Sapporo Japan, 28<sup>th</sup> August 1<sup>st</sup> September 2018 (Poster Presentation).

Paulo D. Carvalho, Vanda G. Santos, Bruno Carneiro, Carolina Maia, Alessio Valenza, Pedro Pinho **Federico Randi** and Paul Fricke; Synchronisation with a 5-Day progesterone releasing intravaginal device protocol for first AI decreased the age at first calving and the rearing costs in Holstein dairy heifers. World Buiatrics Congress, Sapporo Japan, 28<sup>th</sup> August 1<sup>st</sup> September 2018 (Poster Presentation).

**Federico Randi**, José Maria Sanchez, Mary M Herlihy, Alessio Valenza, Pedro Pinho, David A Kenny, Stephen Butler, Patrick Lonergan. Effect of a progesterone-based estrus synchronization program for timed AI (TAI) on reproductive performance in a seasonal pasture-based dairy production system; World Buiatrics Congress, Sapporo Japan, 28<sup>th</sup> August 1<sup>st</sup> September 2018 (Poster Presentation).

Cesar Narciso, Alessio Valenza, Pedro Pinho, **Federico Randi** and Alexandre Souza. Comparative field trial in dairy cows fitted with progesterone releasing intravaginal devices having two different tail types; World Buiatrics Congress, Sapporo Japan, 28<sup>th</sup> August 1<sup>st</sup> September 2018 (Poster Presentation).

Alessio Valenza, Pierluigi Guarneri, **Federico Randi**, Paolo David Carvalho, Paul Fricke. Effect of adding a second dose or doubling the dose of prostaglandin during resynchronization of ovulation and TAI in lactating dairy cows; World Buiatrics Congress, Sapporo Japan, 28<sup>th</sup> August 1<sup>st</sup> September 2018 (Poster Presentation).

**Randi F**, Fixed time Artificial Insemination, as a management tool to increase the reproductive efficiency of seasonal-calving herds in Ireland. CVE accredited events for Veterinarians 26<sup>th</sup> and 27<sup>th</sup> of January 2017 (Portlaoise Co. Laoise and Douglas Co. Cork Ireland) (Invited Lecturer)

**Randi F**, Heifer fertility management to meet herd objectives. CVE accredited events for Veterinarians 26<sup>th</sup> and 27<sup>th</sup> of January 2017 (Portlaoise Co. Laoise and Douglas Co. Cork Ireland) (Invited Lecturer)

**Randi F**, Sanchez JM, Herlihy MM, Valenza A, Kenny DA, Butler ST, Lonergan P (2016) Effect of progesterone based estrous synchronization program for TAI and eCG supplementation on the reproductive performances of a seasonal pasture-based dairy production system. 2016 Joint Annual Meeting American Society of Animal Science/American Dairy Science Association, July 19-23, 2016, Salt Lake City, UT, USA. (Oral Presentation)

**Randi F**, Lonergan P, Valenza A, Kenny D. (2016) Effect of GnRH administration at initiation and eCG at the end of a 7 Day-Co Synch+progesterone program for FTAI on pregnancy rate in beef cows. World Buiatrics Congress, 3-8 July 2016, Dublin, Ireland. (Oral Presentation)

**Randi F**, M McDonald, P Duffy, AK Kelly, P Lonergan The relationship between ear canal temperature and onset of oestrus and ovulation in beef heifers 18<sup>th</sup> International Congress on Animal Reproduction (ICAR), June 26- 30<sup>th</sup> 2016, in Tours, France. (Oral Presentation)

**Randi F**, Lonergan P, Parr MH, Lively F, Diskin MG, Kenny DA (2016) Effect of oestrous synchronisation programme and season on pregnancy rate to timed artificial insemination in beef

cows. Annual Conference of the British Society of Animal Science (BSAS), Chester, UK, 6-7 April 2016. Abstract 3. (Oral Presentation)

Parr MH, Doolan P, **Randi F**, Lively F, Diskin MG, Barret D, Kenny DA (2016) Sero prevalence of reproductively important pathogens in beef cows on the island of Ireland. Annual Conference of the British Society of Animal Science (BSAS), Chester, UK, 6-7 April 2016. Abstract 3. (Oral Presentation)

**Randi F**, Kenny DA, Lonergan P. (2015) The use of fixed time artificial insemination in beef suckler herds. Congress of the British Cattle Veterinary Association (BCVA), Southport, England, October 15-17, 2015. *Cattle Practice* 23: 235-236. (Invited Lecture)

**Randi F**, Parr M, Doolan P, Diskin MG, Valenza A, Rodriguez P, Lonergan P, Kenny DA (2015). Effect of estrous synchronization program, season, body condition score and ovarian status on pregnancy rate to fixed-time AI in beef cows. 2015 American Society of Animal Science/American Dairy Science Association Joint Annual Meeting, July 12-16, Orlando, Florida. *J Anim Sci* 93 (Suppl. s3/*J Dairy Sci* 98 (Suppl. 2). M244, P93. (Poster Presentation)

**Randi F**, Fernandez B, McDonald M, Johnson C, Forde N, Lonergan P (2015). Embryo survival and conceptus elongation following asynchronous embryo transfer in cattle. Proceedings of the Annual Conference of the International Embryo Transfer Society, Versailles, France, 10–13 January 2015. *Reproduction, Fertility and Development* 27(1):143. (Abstract 100). (Poster Presentation)

O'Hara L, Forde N, Duffy P, **Randi F**, Kelly A, Rodriguez P, Lonergan P. Effect of equine chorionic gonadotrophin administration on corpus luteum development, circulating progesterone concentrations and embryo development in cattle. BSAS Westport (Oral Presentation)

#### **EXTERNSHIPS AND TRAINING COURSES:**

- **University of Munich, Germany, Veterinary School**, ECAR Summer School, Training in Large animals and Small Animals and Exotic pets, reproductive physiology and pathology (3<sup>rd</sup> to 6<sup>th</sup> July 2018).
- **Animal Health Ireland**: Risk Assessment and Management Planning for Johne's Disease Control; Certified Veterinary Practitioner (Teagasc Grange December 16/12/2015 and Cavan Crystal Hotel 27/09/2016).
- **Animal Health Ireland**: TASA BVD program, Approved Private Veterinary Practitioner, (New Park Hotel Kilkenny, 14/01/2016).
- **University of Liege, Belgium, Veterinary School**, ECAR Summer School, Training in large and Small Animals reproductive physiology and pathology (20<sup>th</sup> to 22<sup>nd</sup> August 2015).
- **University of Vienna, Austria, Veterinary School "Reproduction Center Wieselburg"**: Training on transvaginal laparoscopic oviductal embryo transfer, under the supervision of Professor Urban Besenfelder (22<sup>nd</sup> June 3<sup>rd</sup> July 2015).
- **University of Helsinki, Finland, Veterinary School**, ECAR Summer School, Training in large and Small Animals reproductive physiology and pathology (10<sup>th</sup> to 13<sup>th</sup> September 2014).

- **University of Zurich, Switzerland, Veterinary School “Tierspital, Nutztiere”:** Training course on Cesarean Section with sterile delivery, for research project on ruminal microbiome development in newborn calves (from 6<sup>th</sup> to 10<sup>th</sup> October 2014)
- **Embryonics UK:** Advanced Bovine Ultrasonography Course (24 April 2014), Foetal Sexing Determination (25 April 2014).

#### **AWARDS:**

##### **“Fabio Ferrara Memorial Award”, Italian Association for Buiatrics (S.I.B.)**

- Best Thesis in Italy on the topic of Bovine Health for academic year 2011-2012.

#### **SCHOLARSHIPS:**

##### **Bologna, Veterinary School University Scholarship “Approfondimento tesi all’estero”, Ireland, September-December 2013**

- This scholarship gave me resources to develop my previous thesis with a more thorough analysis.
- Researched for four months during an internship at the School of Agriculture Food Science and Veterinary Medicine, University College Dublin, Ireland.

#### **MEMBERSHIPS:**

##### **Veterinary Council of Ireland, 2014-2017**

- Veterinary Practitioner (Reg n# 38/14)

##### **Italian Board of Veterinary Practitioners Ravenna Province, 2013-present**

- Veterinary Practitioner (Reg n# RA/384)

##### **Member of “I.E.T.S.” International Embryo Technology Society, 2014-present**

- Graduate Student Member/Professional Membership

##### **Member of “B.S.A.S.” British Society of Animal Science, 2016**

- Graduate Student Member.

##### **Member of “A.D.S.A” American Dairy Science Association, 2015-2016**

- Graduate Student Member.

##### **Member of “E.S.D.A.R “European Society of Domestic Animal Reproduction, 2014**

- D.V.M, as E.C.A.R. Resident Member.

##### **Member of “S.I.V.A.R Società Italiana Veterinari per Animali da Reddito” (Italian Large Animal Veterinary Society), Italy, 2013-2015**

- Opportunity to attend conferences, network with fellow veterinarians, receive magazines and published articles on field.