



Dragos Scarlet

Date of birth: 27/08/1987 | **Nationality:** Romanian | **Gender:** Male |

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Alte Landstrasse 54, 8302, Kloten, Switzerland

● WORK EXPERIENCE

01/01/2021 – Zürich, Switzerland

SENIOR CLINICIAN (OBERARZT) – KLINIK FÜR REPRODUKTIONSMEDIZIN (50%) & INSTITUT FÜR ANATOMIE (50%), VETSUISSE FAKULTÄT

- Research in reproductive biology
- Clinical work on assisted reproduction in cows and horses
- Teaching reproductive biology and anatomy

01/01/2018 – 31/12/2020 – Vienna, Austria

CHIEF SENIOR CLINICIAN (LEITENDER OBERARZT) – OBSTETRICS, GYNECOLOGY AND ANDROLOGY, UNIVERSITY OF VETERINARY MEDICINE VIENNA

- Substitution of the Head of the Clinic Obstetrics, Gynecology and Andrology as well as of the Head of Center of Artificial Insemination and Embryo Transfer in case of absence
- Professional supervision of clinical activities
- Supervisor for resident training
- Organization and active involvement in continuous training of residents and other veterinarians in the clinic
- Organization of teaching plan and appointing staff in the clinic
- Duty and holiday roster
- Organizational and professional support of clinical or animal based research projects
- Management of complaints involving the Clinic Obstetrics, Gynecology and Andrology or the Center of Artificial Insemination and Embryo Transfer
- Organization and control of incoming finances
- Coordination of cooperation with other clinics of the Small Animal Clinic
- Independent research
- Teaching: lectures, seminars, practical exercise
- Day and night shifts in the 24/7 system, both as person in charge and as backup for junior veterinarians
- Coordination of Bachelor thesis
- Coordination of cooperation with the Horse Clinic with regard to obstetrical patients
- Coordination of cooperation with the animal shelter Tierquartier (run by University of Veterinary Medicine Vienna)

Vienna, Austria

01/12/2016 – 31/12/2017 – Vienna, Austria

SENIOR CLINICIAN AND RESEARCHER (POSTDOC) – CENTER OF ARTIFICIAL INSEMINATION AND EMBRYO TRANSFER, UNIVERSITY OF VETERINARY MEDICINE VIENNA

- Professional supervision of clinical activities
- Organization and active involvement in continuous training of residents and other veterinarians
- Running own research studies
- Teaching: seminars, practical exercise
- Day and night shifts in the 24/7 system, both as person in charge and as backup for junior veterinarians

Vienna, Austria

15/10/2012 – 30/11/2016 – Vienna, Austria

JUNIOR CLINICIAN AND RESEARCHER – CENTER OF ARTIFICIAL INSEMINATION AND EMBRYO TRANSFER, UNIVERSITY OF VETERINARY MEDICINE VIENNA

- Running own research studies, under supervision
- Teaching: seminars, practical exercise
- Clinical work: reproduction in horses, large farm animals and small animals
- Day and night shifts in the 24/7 system as person in charge

Vienna, Austria

● **EDUCATION AND TRAINING**

10/2006 – 07/2012 – Bucharest, Romania

DOCTOR OF VETERINARY MEDICINE (DVM) – University for Agricultural Sciences and Veterinary Medicine – Faculty of Veterinary Medicine Bucha

Applicability of a New Cell Culture Device for Cooled-Storage of Stallion Semen

06/2013 – 11/2015 – Vienna, Austria

DOCTOR IN VETERINARY MEDICINE (DR. MED.VET) – Center for Artificial Insemination and Embryo Transfer, University of Veterinary Medicine Vienna

Thesis title: Investigations on gonadotropin regulation of ovarian and testicular function in horses

26/11/2016 – Vienna, Austria

DIPLOMATE OF THE EUROPEAN COLLEGE OF ANIMAL REPRODUCTION, SUBSPECIALTY BIOTECHNOLOGY – University of Veterinary Medicine Vienna

30/11/2018 – Vienna, Austria

DIPLOMATE OF THE EUROPEAN COLLEGE OF ANIMAL REPRODUCTION, SUBSPECIALTY SMALL ANIMALS – University of Veterinary Medicine Vienna

01/03/2011 – 31/08/2011 – Vienna, Austria

ERASMUS EXCHANGE STUDENT – University of Veterinary Medicine Vienna

03/2014 – Vienna, Austria

SCIENTIFIC PRESENTATION – University of Veterinary Medicine Vienna

04/05/2014 – 14/05/2014 – East Lansing, MI, United States

GAMETE & EMBRYO MOLECULAR BIOLOGY LABORATORY TRAINING COURSE – Michigan State University

10/09/2014 – 11/09/2014 – Helsinki, Finland

EUROPEAN COLLEGE OF ANIMAL REPRODUCTION SUMMER SCHOOL – University of Helsinki

15/10/2014 – 30/11/2014 – Carbondale, IL, United States

VISITING SCIENTIST – Department of Animal Science, Food and Nutrition, South Illinois University

Study on "Glucocorticoid metabolism in equine follicles and oocytes"

06/2015 – Vienna, Austria

INTRODUCTION TO MOLECULAR METHODS AND QUALITY MANAGEMENT – University of Veterinary Medicine Vienna

08/2015 – Hickory Corners, MI, United States

NEXT-GEN SEQUENCE ANALYSIS WORKSHOP – Michigan State University

01/02/2016 – 28/02/2016 – Davis, CA, United States

VISITING SCIENTIST – Department of Data Intensive Biology, University of California, Davis

12/2017 – Vienna, Austria

DIDACTICS & TEACHING ADVANCED – CHALLENGING SITUATIONS IN THE TEACHING PROCESS
– University of Veterinary Medicine Vienna

22/03/2018 – Vienna, Austria

LEADING FROM THE MIDDLE – University of Veterinary Medicine Vienna

11/04/2018 – 12/04/2018 – Vienna, Austria

PRINCIPLES OF LEADERSHIP - SEMINAR FOR YOUNG LEADERS – University of Veterinary Medicine Vienna

15/05/2018 – 16/05/2018 – Vienna, Austria

LEADINGVET: LEADING FROM THE MIDDLE – University of Veterinary Medicine Vienna

07/05/2019 – 08/05/2019 – Vienna, Austria

DELEGIEREN, KONTROLLIEREN & PERSÖNLICHER RESSOURCENHAUSHALT – University of Veterinary Medicine Vienna

15/10/2019 – Vienna, Austria

FALLORIENTIERTE ARBEIT ZU KONKRETEN FÜHRUNGSFRAGEN – University of Veterinary Medicine Vienna

● LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	C2	C2	C2	C2	C2
FRENCH	A2	A2	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

Binder C, Aurich J, Scarlet D, Reichart U, Walter I, Aurich C: Expression of nuclear progesterone receptor, progesterone receptor membrane components 1 and 2 and prostaglandin-endoperoxide synthase 2 in the endometrium and oviduct of spontaneously ovulating cats

Theriogenology 172
<https://doi.org/10.1016/j.theriogenology.2021.06.017> – 2021

Scarlet D, Handschuh S, Reichart U, Podico G, Ellerbrock RE, Demyda-Peyras S, Canisso IF, Walter I, Aurich C: Sexual differentiation and primordial germ cell distribution in the early horse fetus

Animals 11(8)
<https://doi.org/10.3390/ani11082422> – 2021

Gastal GDA, Scarlet D, Melchert M, Ertl R, Aurich C: Epigenetic changes in equine embryos after short-term storage at different temperatures

Animals 11(5)
<https://doi.org/10.3390/ani11051325> – 2021

Kaps M, Okada CTC, Gautier C, Aurich J, Scarlet D, Kuhl J and Aurich C: Transient suppression of ovulatory ovarian function in pony mares after treatment with slow-release deslorelin implants

Domestic Animal Endocrinology 74
<https://doi.org/10.1016/j.domaniend.2020.106505> – 2021

Okada CTC, Kaps M, Scarlet D, Handschuh S, Gautier C, Melchert M, Aurich J and Aurich C: Low plasma progestin concentration during the early postovulatory phase impairs equine conceptus development in the late preimplantation phase

Reproduction, Fertility and Development 32 (13), pp 1156-1167
<https://doi.org/10.1071/RD20116> – 2020

Gautier C, Scarlet D, Ertl R, Walter I, Wulf M, Nagel C, Aurich J and Aurich C: Expression of enzymes involved in polyunsaturated fatty acid synthesis in the stallion testis and epididymis

Reproduction, Fertility and Development 32 (9), pp. 851–861
<https://doi.org/10.1071/RD19342> – 2020

Beyer T, Rink BE, Scarlet D, Walter I, Kunert S and Aurich C: Early luteal phase progestin concentration influences endometrial function in pregnant mares.

Theriogenology 125, pp 236-241.
<http://dx.doi.org/10.1016/j.theriogenology.2018.11.018> – 2019

Scarlet, D; Kuhl, J; Köhne, M; Wulf, M; Ille, N; Conley, AJ and Aurich, C: Anti-Müllerian Hormone profiling in prepubertal horses and its relationship with gonadal function.

Theriogenology 117, pp. 72-77
<http://dx.doi.org/10.1016/j.theriogenology.2018.05.012> – 2018

Scarlet D, Ille N, Ertl R, Alves BG, Gastal GDA, Paiva SO, Gastal MO, Gastal EL and Aurich C: Glucocorticoid metabolism in equine follicles and oocytes

Domestic Animal Endocrinology 59, pp. 11-22
<http://dx.doi.org/10.1016/j.domaniend.2016.10.004> - 2017

de Oliveira RA, Scarlet D, Ille N and Aurich C: Cooled-storage of equine semen does not induce major changes in sperm DNA methylation

Theriogenology 89, pp. 289-294
<http://dx.doi.org/10.1016/j.theriogenology.2016.11.009> - 2017

Scarlet D, Aurich C, Ille N, Walter I, Weber C, Pieler D, Peinhopf W, Wohlsein P and Aurich J: Anti-Muellerian hormone, inhibin A, gonadotropins, and gonadotropin receptors in bull calves after partial scrotal resection, orchidectomy, and Burdizzo castration

Theriogenology 87, pp. 242-249
<http://dx.doi.org/10.1016/j.theriogenology.2016.08.030> - 2017

Aurich C, Schreiner B, Ille N, Alvarenga M and Scarlet D: Cytosine methylation of sperm DNA in horse semen after cryopreservation

Theriogenology 86 (5), pp. 1347-1352
<http://dx.doi.org/10.1016/j.theriogenology.2016.04.077> - 2016

Scarlet D, Walter I, Hlavaty J and Aurich C: Expression and immunolocalisation of folliclestimulating hormone receptors in gonads of newborn and adult female horses

Reproduction, Fertility and Development 28 (9), pp. 1340-1348
<http://dx.doi.org/10.1071/RD14392> - 2016

Herrera-Luna CV, Scarlet D, Walter I and Aurich C: Effect of stallion age on the expression of LH and FSH receptors and aromatase P450 in equine male reproductive tissues

Reproduction, Fertility and Development 28 (12), pp. 2016-2026
<http://dx.doi.org/10.1071/RD15027> - 2016

Scarlet D, Ertl R, Aurich C and Steinborn R: The orthology clause in the next generation sequencing era: Novel reference genes identified by RNA-seq in humans improve normalization of neonatal equine ovary RTqPCR data

PLOS One 10 (11), 142122
<http://dx.doi.org/10.1371/journal.pone.0142122> - 2015

Scarlet D, Budik S and Aurich C: Applicability of a new cell culture device for cooled storage of stallion semen

Reproduction in Domestic Animals 48 (2), e20-e22
<http://dx.doi.org/10.1111/j.1439-0531.2012.02115.x> - 2013

● **DRIVING LICENCE**

Driving Licence: B

● **RECOMMENDATIONS**

Prof. Dr. Mariusz Kowalewski, Vetsuisse Faculty Zürich, Switzerland
Prof. Dr. Eduardo Gastal, Southern Illinois University, Carbondale, IL, USA
Prof. Dr. Ingrid Walter, University of Veterinary Medicine Vienna, Austria
Dr. Gabriela Mastromonaco, Toronto Zoo, Canada

● **ORGANISATIONAL SKILLS**

Organisational skills

- continuously trained leadership skills
- currently leading team of 30 people
- good communication skills
- teamwork
- ability to solve problems
- ability to adapt to multicultural environments

● **JOB-RELATED SKILLS**

Job-related skills

- good command of quality control, involved in its establishment
- involved in conception of standard operating procedures
- mentoring skills: residents and bachelor students currently under supervision