Table 9.6 Teacher's Competence

First name and surname		**Dragan Hrnčić**		
Title		Associate Professor		
Specific scientific field		Medical Physiology		
Academic Career	Year	Institution	Scientific field	Specific scientific field
Professorate	2021	MFUB	Medicine	Medical Physiology
PhD	2013	MFUB	Medical Sciences	Neurophysiology
Specialization				
Master's degree	2018	MFUB FOS	Management	Health Management
Diploma	2008	MFUB	Medicine	MD

Teacher's list of courses at PhD studies

No.	Ref.	Course Title
1.		Research Ethics
2.		Homeostatic Systems
3.		Neurophysiology
4.		Translational Neurophysiology
5.		Functional Human Osteology and Bone Aging
6.		Morphology, Embriology and Physiology of Human Reproduction
7.		Neurobiophysics
8.		Applied Neurophysiology

The most significant papers in accordance with the requirements of the additional conditions of the standard for a given field (minimum 10 not more than 20)

1	Grubač Ž, Šutulović N, Šuvakov S, Jerotić D, Puškaš N, Macut D, Rašić-Marković A, Simić T, Stanojlović O, **Hrnčić D.** Anxiogenic Potential of Experimental Sleep Fragmentation Is Duration-Dependent and Mediated via Oxidative Stress State. Oxid Med Cell Longev.;2021:2262913.	**M21**
2	Šutulović N, Grubač Ž, Šuvakov S, Jerotić Đ, Puškaš N, Macut Đ, Rašić A, Simić T, Stanojlović O, **Hrnčić D.** Experimental chronic prostatitis/chronic pelvic pain syndrome increases anxiety-like behavior: the role of brain oxidative stress, serum corticosterone and hippocampal parvalbumin-positive interneurons, Oxidative Medicine and Cellular Longevity 2021, Article ID 6687493, 17 pages	**M21**
3	Grubač Ž, Šutulović N, Jerotić Đ, Šuvakov S, Rašić-Marković A, Macut Đ, Simić T, Stanojlović O, **Hrnčić D.** Experimental chronic sleep fragmentation alters seizure susceptibility and brain levels of interleukins 1β and 6. Acta Neurobiologiae Experimentalis 2021; 81(1):96-109	**M23**
4	Vorkapić M, Savić A, Janković M, Useinović N, Isaković M, Puškaš N, Stanojlović O, **Hrnčić D.** Alterations of medial prefrontal cortex bioelectrical activity in experimental model of isoprenaline-induced myocardial infarction. PLoS One. 2020;15(5):e0232530.	**M22**
5	Šutulović N, Rašić -Marković A, Grubač Ž, Đurić E, **Hrnčić D.** The effects of hydrogen sulfide synthesis inhibition in lindane-induced seizures in rats: A behavioral and EEG study. Archive of Biological Sciences 2020;72(4):457-463	**M23**
6	Grubac Z, Sutulovic N, Ademovic A, Velimirovic M, Rasic-Markovic A, Macut D, Petronijevic N, Stanojlovic O, **Hrncic D.** Short-term sleep fragmentation enhances anxiety-related behavior: The role of hormonal alterations. PLoS One. 2019;14(7):e0218920	**M21**
7	Šutulović N, Grubač Ž, Šuvakov S, Jovanović Đ, Puškaš N, Macut Đ, Marković AR, Simić T, Stanojlović O, **Hrnčić D.** Chronic prostatitis/chronic pelvic pain syndrome increases susceptibility to seizures in rats and alters brain levels of IL-1β and IL-6. *Epilepsy Research* 2019;153:19-27.	**M22**
8	**Hrnčić D**, Šutulović N, Grubač Ž, Rašić-Marković A, Stanojlović O. The central nervous system is not imunoprivileged: inflammation and epileptogenesis. Vojnosanitetski Pregled 2018; 75(8): 820-825	**M23**
9	**Hrnčić D**, Grubač Ž, Šutulović N, Rašić-Marković A, Ademović A, Stanojlović O. Modulatory effects of delta sleep peptide in lindane model of generalized seizures. Archives of Biological Sciences 2018; 70 (3): 559-566	**M23**
10	**Hrnčić D**, Rasic-Markovic A, Macut D, Mladenovic D, Susic V, Djuric D, Stanojlovic O. Sulfur - Containing Amino Acids In Seizures: Current State Of The Art. *Current Medicinal Chemistry* 2018; 25(3):378-390	**M21**

Table 9.6 Teacher's Competence

11	Reitz MC, **Hrncic D**, Treede RD, Caspani O. A comparative behavioural study of mechanical hypersensitivity in 2 pain models in rats and humans. Pain 2016;157(6):1248-58. doi: 10.1097/j.pain.0000000000000515.	**M21**
12	**Hrncic D**, Mikić J, Rasic-Markovic A, Velimirović M, Stojković T, Obrenović R, Rankov-Petrović B, Šušić V, Djuric D, Petronijević N, Stanojlovic O. Anxiety-related behavior in hyperhomocysteinemia induced by methionine nutritional overload in rats: role of the brain oxidative stress. *Canadian Journal of Physiology and Pharmacology* 2016, 94(10):1074-1082	**M22**
13	**Hrnčić D,** Grubač Ž, Rašić-Marković A, Šutulović N, Šušić V, Bjekić-Macut J, Stanojlović O. Sleep disruption increases seizure susceptibility: Behavioral and EEG evaluation of an experimental model of sleep apnea. *Physiol Behav.* 2016;155:188-194.	**M22**
14	**Hrnčić D,** Rašić-Marković A, Stojković T, Velimirović M, Puškaš N, Obrenović R, Macut D, Šušić V, Jakovljević V, Petronijević N, Stanojlović O. Hyperhomocysteinemia induced by methionine dietary nutritional overload modulates acetylcholinesterase actvity in the rat brain. *Molecular and Cellular Biochemistry* 2014;396(1-2):99-105	**M23**
15	**Hrnčić D,** Rašić-Marković A, Leković J, Čolović M, Krstić D, Macut D, Šušić V, Djuric D, Stanojlović O. Exercise decreases susceptibility to homocysteine seizures: the role of oxidative stress. *International Journal of Sports Medicine* 2014, 35(7):544-50	**M21**
16	**Hrnčić D**, Rašić-Marković A, Macut D, Šušić V, Djuric D, Stanojlović O. Homocysteine thiolactone - induced seizures in adult rats are aggravated by inhibiton of inducible nitric oxide synthase. *Human and Experimental Toxicology* 2014 33(5):496-503	**M23**
17	**Hrnčić D**, Rašić-Marković A, Macut-Bjekic J, Šušić V, Djuric D, Stanojlović O. Paradoxical sleep deprivation potentiates epilepsy induced by homocysteine thiolactone in rats. *Experimental Biology and Medicine* 2013;238(1)77-83	**M22**
18	**Hrnčić D,** Rašić-Marković A, Bjekić-Macut J, Šušić V, Mladenović D, Djurić D, Stanojlović O. Geseous neurotransmitter nitric oxide: its role in experimental models of epilepsy. Archives of Biological Sciences 2012; 64(3):1207-16.	**M23**
19	**Hrnčić D**, Rašić-Marković A, Krstić D, Macut Dj, Šušić V Djuric D, Stanojlović O. Inhibition of the neuronal nitric oxide synthase potentiates homocysteine thiolactone – induced seizures in adult rats. *Medicinal Chemistry* 2012; 8(1):59-64	**M22**
20	**Hrnčić D,** Rašić-Marković A, Djuric D, Šušić V, Stanojlović O. The role of nitric oxide in convulsions induced by lindane in rats. *Food and Chemical Toxicology* 2011; 49(4):947-954	**M21**

Cumulative data of teacher's scientific activity		
Total number of citations, without autocitations	> 400	
Total number of papers from the SCI (or SSCI) list	>70	
Current participation in projects	Domestic 2	International 4
Trainings		
DAAD Fellow University of Heidelberg, Germany; FENS Guest Scientist University of Catania, Italy NIH Fogarty International Program, Icahn School of Medicine at Mount Sinai, FENS/IBRO Workshop on Animal Welfare and Ethics, Paris, France		
The maximum length must not exceed 1 A4 page		