

Discipline MCP5866
Seminars: Critical Analysis of Research Projects Developed in the Program - I

Concentration area: 5131

Creation: 13/03/2025

Activation: 21/05/2025

Credits: 4

Workload:

Theory (weekly)	Practice (weekly)	Study (weekly)	Duration	Total
0	10	20	2 weeks	60 hours

Professors:

Roberto Kalil Filho

Ludhmila Abrahão Hajjar

Stephanie Itala Rizk

Objectives:

- Contribute to the training of researchers, helping students develop a critical sense to design, plan, present and discuss a scientific project; - Understand the concepts and applications of the main study designs; - Meet, discuss, analyze and develop the implications of research projects in various fields.

Rationale:

- The concept of translational science is based on the principle of practical implementation of knowledge acquired through research for citizens and society. The student must understand, upon admission in the graduate program, all stages of preparation of a project, from the formulation of the hypothesis, structuring, raising of funds, achievement of goals and the practical application of knowledge. - We will encourage students to present their project and ideas on the subject, preferably in English, proposing the concept of internationalization. - The teachers will evaluate the content and form of presentation, developing guidelines in partnership with students to guide the development of research.

Content:

- The discipline will be offered every semester. We will encourage students to present their project as a seminar, which shall have a duration of 15 minutes. - There will be an in-depth examination of the content and form of presentation of the project with the elaboration of a plan that should contemplate the graduate program's period.

Type of Assessment:

- Frequency, performance and participation during lectures and discussions (the responsible teachers are present in all classes) - Presentation

Notes/Remarks:

The discipline is mandatory for all graduate students. Minimum number of students: 10
Maximum number of students: 40

Bibliography:

1. Fitzgerald GA. Testing cardiovascular safety and efficacy in randomized trials. *Circ Res.* 2014;114:1156-61. 2. Van Luijk J, Bakker B, Rovers MM, Ritskes-Hoitinga M, de Vries RB, Leenaars M. Systematic review of animal studies; missing link in translational research. *PLOS ONE.* 2014;26;9(3):e89981. 3. Bankhead R, Boullata J, Brantley S, Corkins M, Guenter P, Krenitsky J, Lyman Moher D1, Hopewell S, Schulz KF, Montori V, Gøtzsche PC, Devereaux PJ, Elbourne D, Egger M, Altman DG. CONSORT 2010 explanation and elaboration: updated guidelines for reporting parallel group randomised trials. *BMJ.* 2010 Mar 23;340:c869. 4. Briel M, Müller KF, Meerpohl JJ, von Elm E, Lang B, Motschall E, Gloy V, Lamontagne F, Schwarzer G, Bassler D; OPEN Consortium. Publication bias in animal research: a systematic review protocol. *Syst Rev.* 2013 Apr 27;2:23. doi: 10.1186/2046-4053-2-23. 5. Bafeta A(1), Trinquart L, Seror R, Ravaud P. Reporting of results from network meta-analyses: methodological systematic review. *BMJ.* 2014 Mar 11;348:g1741. doi: 10.1136/bmj.g1741. 6. Turner L(1), Shamseer L, Altman DG, Weeks L, Peters J, Kober T, Dias S, Schulz KF, Plint AC, Moher D. Consolidated standards of reporting trials (CONSORT) and the completeness of reporting of randomised controlled trials (RCTs) published in medical journals. *Cochrane Database Syst Rev.* 2012 Nov 14;11:MR000030. doi:10.1002/14651858.MR000030.pub2. 7. Gonzalez de Castro D(1), Clarke PA, Al-Lazikani B, Workman P. Personalized cancer medicine: molecular diagnostics, predictive biomarkers, and drug resistance. *ClinPharmacolTher.* 2013Mar;93(3):252-9. 8. Whirl-Carrillo M, McDonagh EM, Hebert JM, Gong L, Sangkuhl K, Thorn CF, Altman RB, Klein TE. Pharmacogenomics knowledge for personalized medicine. *Clin Pharmacol Ther.* 2012Oct;92(4):414-7. 9. Crews KR(1), Hicks JK, Pui CH, Relling MV, Evans WE. Pharmacogenomics and individualized medicine: translating science into practice. *Clin Pharmacol Ther.* 2012 Oct;92(4):467-75. 10. McCoy CE, Menchine M, Anderson C, Kollen R, Langdorf MI, Lotfipour S. Prospective Randomized Crossover Study of Simulation vs. Didactics for Teaching Medical Students the Assessment and Management of Critically Ill Patients. *The Journal of Emergency Medicine.* 2011;40(4):448-55. 11. Aiken LH, Sloane DM, Bruyneel L, Van den Heede K, Griffiths P, Busse R, Diomidous M, Kinnunen J, Kózka M, Lesaffre E, McHugh MD, Moreno-Casbas MT, Rafferty AM, Schwendimann R, Scott PA, Tishelman C, van Achterberg T, Sermeus W; for the RN4CAST consortium. Nurse staffing and education and hospital mortality in nine European countries: a retrospective observational study. *Lancet.* 2014 Feb 25. pii: S0140-6736(13)62631-8. doi: 10.1016/S0140-6736(13)62631-8. [Epub ahead of print]. 12. Nigel Crisp, M.A., and Lincoln Chen. Global Supply of Health Professionals. *N Engl J Med* 2014;370:950-7. 13. Althunian TA, de Boer A, Groenwold RHH, Klungel OH. Defining the noninferiority margin and analysing noninferiority: An overview. *Br J Clin Pharmacol.* 2017 Aug;83(8):1636-1642. doi: 10.1111/bcp.13280. Epub 2017 Apr 6. PMID: 28252213; PMCID: PMC5510081. 14. Antonides CFJ, Cohen DJ, Osnabrugge RLJ. Statistical primer: a cost-effectiveness analysis. *Eur J Cardiothorac Surg.* 2018 Aug 1;54(2):209-213. doi: 10.1093/ejcts/ezy187. PMID: 29726940. 15. Benedetto U, Head SJ, Angelini GD, Blackstone EH. Statistical primer: propensity score matching and its alternatives. *Eur J Cardiothorac Surg.* 2018 Jun 1;53(6):1112-1117. doi: 10.1093/ejcts/ezy167. PMID: 29684154. 16. Haukoos JS, Lewis RJ. The Propensity Score. *JAMA.* 2015 Oct 20;314(15):1637-8. doi: 10.1001/jama.2015.13480. PMID: 26501539; PMCID: PMC4866501. 17. Salanti G, Ades AE, Ioannidis JP. Graphical methods and numerical summaries for presenting results from multiple-treatment meta-analysis: an overview and tutorial. *J Clin Epidemiol.* 2011 Feb;64(2):163-71. doi: 10.1016/j.jclinepi.2010.03.016. Epub 2010 Aug 5. PMID: 20688472.

Class type:

Não-Presencial

Additional class type information:

• A porcentagem da disciplina que ocorrerá no sistema não presencial (1- 100%).
100%

- **Detalhamento das atividades que serão presenciais e das que serão desenvolvidas via remota, com discriminação do tempo de atividade contínua online.** 100% não presencial
- **Especificação se as aulas, quando online, serão síncronas ou assíncronas.** Síncronas
- **Descrição do tipo de material e/ou conteúdo que será disponibilizado para o aluno e a plataforma que será utilizada.** Nenhum material será disponibilizado
- **Definição sobre a presença na Universidade e, quando necessária, discriminar quem deverá estar presente (professora/professor; aluna/aluno; ambos).** Nenhuma obrigatoriedade de estar presente
- **Descrição dos tipos e da frequência de interação entre aluna/aluno e professora/professor (somente durante as aulas; fora do período das aulas; horários; por chat/e-mail/fóruns ou outro).** Somente durante as aulas
- **A forma de controle da frequência nas aulas.** Chamadas durante as aulas
- **Informação sobre a obrigatoriedade ou não de disponibilidade de câmera e áudio (microfone) por parte dos alunos.** Obrigatórios câmera e áudio para alunos e professores
- **A forma de avaliação da aprendizagem (presencial/remota).** Avaliação remota por frequência, aproveitamento e participação durante aulas e discussões.