José L. Jiménez: Curriculum Vitae

Contact Information

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Research Interests

Bayesian methods, Causal inference, Phase I-II clinical trials, Survival analysis

Awards

Marie Skłodowska-Curie Doctoral Fellowship. European Commission [Grant Nº 633567] **2015 - 2018**
Travel award. XVth Spanish Biometric Conference and Vth Ibero-American Biometric Meeting **2015**

Education

Politecnico di Torino & **Università degli Studi di Torino**, Italy
Ph.D. in Pure and Applied Mathematics (Statistics) **2015 - 2018**

- Ph.D. Thesis Topic: *Innovative adaptive designs in oncology clinical trials with drug combinations*
- Supervisor: Mauro Gasparini. Co-advisor: Mourad Tighiouart [Cedars-Sinai Medical Center, USA]

Universidad Autónoma de Madrid, Spain
M.Sc. in Machine Learning **2013 - 2015**

Universidad Complutense de Madrid, Spain
B.Sc. in Statistics **2009 - 2013**

Current position

Statistician **10/2018 - Present**
Novartis, Basel, Switzerland

Past academic positions

Marie Curie Early Stage Researcher (*Assegnista di Ricerca SECS-S/01*) **10/2015 - 09/2018**
Politecnico di Torino, Department of Mathematical Sciences, Turin, Italy

Visiting Research Scholar **10/2017 - 12/2017**
Cedars-Sinai Medical Center, Biostatistics & Bioinformatics Research Center, Los Angeles, CA, USA

Visiting Research Scholar **04/2017 - 06/2017**
Novartis, Statistical Methodology Group, Basel, Switzerland

Visiting Research Scholar **04/2016 - 06/2016**
Cedars-Sinai Medical Center, Biostatistics & Bioinformatics Research Center, Los Angeles, CA, USA

Past industry positions

Statistician **04/2013 - 03/2015**
PharmaMar, Madrid, Spain

Statistician **01/2012 - 03/2013**
GEICAM (Spanish Breast Cancer Research Group), Madrid, Spain

Publications

Summary of Scientific Achievements (Google Scholar):
Publications: 8 — Total citations: 39 — h-index: 3 — i-index: 2

Published Articles [peer-reviewed]

1. Magirr, D. and **Jiménez, J. L.** (2022) Design and Analysis of group-sequential clinical trials based on a modestly-weighted log-rank test in anticipation of a delayed separation of survival curves: A practical guidance. *Clinical Trials (Accepted).*

2. **Jiménez, J. L.** (2022). Quantifying treatment differences in confirmatory trials under non-proportional hazards. *Journal of Applied Statistics*, 49(2), 466-484.

3. **Jiménez, J. L.**, Niewczas, J., Bore, A. and Burman, C.F. (2021). A modified weighted log-rank test for confirmatory trials with a high proportion of treatment switching. *Plos one*, 16(11), e0259178.

4. **Jiménez, J. L.**, Stalbovskaya, V. and Jones, B. (2020). Response to comments on "Properties of the weighted log-rank test in the design of confirmatory studies with delayed effect" by José L. Jiménez, Viktoriya Stalbovskaya and Byron Jones, Pharmaceutical Statistics, 2019; 18: 287 – 303, doi: 10.1002/pst.1923. *Pharmaceutical statistics*, 19(5), 736–740.

5. **Jiménez, J. L.**, Kim, S. and Tighiouart, M. (2020). A Bayesian seamless phase I-II trial design with two stages for cancer clinical trials with drug combinations. *Biometrical Journal*, 62(5), 1300-1314.

6. **Jiménez, J. L.**, Stalbovskaya, V. and Jones, B. (2019). Properties of the weighted log-rank test in the design of confirmatory studies with delayed effects. *Pharmaceutical statistics*, 18(3), 287-303.

7. **Jiménez, J. L.**, Tighiouart, M. and Gasparini, M. (2019). Cancer phase I trial design using drug combinations when a fraction of dose limiting toxicities is attributable to one or more agents. *Biometrical Journal*, 61(2), 319-332.

Book Chapters [peer-reviewed]

8. **Jiménez, J. L.**, Diniz, M.A., Rogatko, A., and Tighiouart, M. (2021). Designs of Early Phase Cancer Trials with Drug Combinations. In *Modern Statistical Methods for Health Research* (pp. 131-160). Springer, Cham.

Manuscripts Under Review

- **Jiménez, J. L.** and Tighiouart, M. A flexible Bayesian phase I-II design for the combination of targeted therapies. [under review]
- Magirr, D. and **Jiménez, J. L.** Stratified modestly-weighted log-rank tests in settings with an anticipated delayed separation of survival curves. *arXiv:2201.10445* [under review]
- **Jiménez, J. L.** and Tighiouart, M. Combining cytotoxic agents with continuous dose levels in seamless phase I-II clinical trials. *arXiv:2109.14231* [under review]
- **Jiménez, J. L.** and Zheng, H. A Bayesian adaptive design for dual-agent phase I-II cancer clinical trials combining efficacy data across stages. *arXiv:2106.08277* [under review]

Presentations

Invited Presentations

[**2021**] PSI [Statisticians in the Pharmaceutical Industry] One-Day Meeting: Non-proportional hazards and applications in immuno-oncology. Online.
[**2019**] ISBS2019 [International Symposium in Biopharmaceutical Statistics]. Kyoto, Japan.
[**2019**] Symposium on Innovative Statistical Methods in Oncology [Organized by Servier]. Paris, France.

Contributed Oral and Poster Presentations

[**2021**] ISBA [International Society of Bayesian Analysis] World Meeting. Online. [**2018**] EFSPI Workshop. Basel, Switzerland. [**2018**] IBC [International Biometric Conference]. Barcelona, Spain. [**2018**] BAYES Workshop. Cambridge, UK. [**2017**] ISCB Conference. Vigo, Spain. [**2017**] PSI [Statisticians in the Pharmaceutical Industry] Annual Conference. London, UK. [**2015**] SBC [Spanish Biometric Conference]. Bilbao, Spain.

Service to Profession

Journal Referee

Biometrical Journal; Pharmaceutical Statistics; Statistical Methods in Medical Research.

Organization of Scientific Events

Local committee of IBC2018 Conference. Barcelona, Spain. **2018**
Scientific and **Local** committee of the 5th Early Phase Adaptive Trials Workshop. Turin, Italy. **2016**

Membership to Scientific Societies

International Society for Clinical Biostatistics [**ISCB**], International Biometric Society: Region Austria and Switzerland [**ROeS**], International Society for Bayesian Analysis [**ISBA**].

Skills

Languages: English (*fluent*), German (*intermediate*), Italian (*fluent*), Spanish (*native*)
Software: `R` (*advanced*), `JAGS` (*advanced*), LaTeX(*advanced*)

References

Prof. Mourad Tighiouart
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Prof. Mauro Gasparini
Politecnico di Torino
Department of Mathematical Sciences
Turin, Italy
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