



Sylvie CHEVRET

Biostatistiques / Biostatistics

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Expériences passées / Previous experience

PU-PH de Biostatistiques et Informatique Médicale, Université Paris 7

- § Responsable de l'équipe de recherche, Epidémiologie Clinique et Statistiques pour la Recherche en Santé (ECSTRA), Inserm et Université Paris 7 (UMR-1153)
- § Responsable du Service de Biostatistique et Informatique Médicale (SBIM) du GH Saint Louis Lariboisière, Paris
- § Responsable de l'antenne Saint Louis de l'Unité de Recherche Clinique (URC) du GH Saint Louis Lariboisière, Paris
- § Responsable du centre de Traitement de Données (CTD) de l'AP-HP, INCA
- § Responsable de l'enseignement de Biostatistique à l'UFR Lariboisière Saint Louis, en P.C.E.M.1 (40H de cours magistraux) depuis 1997

Professor of Biostatistics, Paris Diderot (Paris 7) University, France

- § Research team: ECSTRA, INSERM, Paris Diderot University (Biostatistics and Clinical Epidemiology), Paris, France
- § Head of the Biostatistical and Medical Information Department, Saint Louis Hospital, Paris
- § Head of the Biostatistical Department, Medical University, Paris 7
- § Master of Biomathematics, Paris 7 University (1988)
- § Medical Doctor, Paris 7 University (1989)
- § Medical specialisation in Public health (1989)
- § PhD of Biomathematics, Paris 7 University (1993)

Domaine d'expertise / Field of Expertise

Biostatistique

- § Plans d'expérience
- § Données de survie
- § Modèles d'inférence causale
- § Inférence bayésienne pour les essais cliniques

Epidémiologie clinique

- § Essais cliniques
- § Etudes de cohorte et modèles pronostiques
- § Lariboisière, Paris

My research activity is defined by a biostatistics research applied to clinical epidemiology, and more particularly to cohort studies which can be experimental (made in the therapeutic randomized controlled trials) or not. Particular interests include

- § Early phases clinical trials (dose finding experiments), Bayesian inference
- § Multivariate survival models (competing risks, recurrent events, multi-state models)

As a biostatistician located in a university-teaching hospital, I am widely involved in teaching (biostatistics, probabilities and clinical epidemiology) and in clinical research projects (study design, sample size computation, data management and data analysis)

Apport spécifique dans TRIGGERSEP / Specific input to TRIGGERSEP

- § Gestion de bases de données
- § Analyse statistique
- § Plans d'expérience

- § Database Management
- § Statistical analysis
- § Study designs

Chevret S. Propensity-matching analysis is not straightforward. *Am J Respir Crit Care Med.* 2014; **190**(4): 362-3.

Lambert J, Chevret S. Summary measure of discrimination in survival models based on cumulative/dynamic time-dependent ROC curves. *Stat Methods Med Res.* 2014 Jan 5. [Epub ahead of print].

Pirracchio R *et al.* Propensity score estimators for the average treatment effect and the average treatment effect on the treated may yield very different estimates. *Stat Methods Med Res.* 2013 Nov 6. [Epub ahead of print].

Lemiale V *et al*; Groupe de Recherche Respiratoire en Réanimation Onco-Hématologique Study. Identifying cancer subjects with acute respiratory failure at high risk for intubation and mechanical ventilation. *Respir Care.* 2014; **59**(10): 1517-23.

Annane D *et al*; CRISTAL Investigators. Effects of fluid resuscitation with colloids vs crystalloids on mortality in critically ill patients presenting with hypovolemic shock: the CRISTAL randomized trial. *JAMA.* 2013; **310**(17): 1809-17.