

Modélisation, Epidémiologie et Surveillance des risques sanitaires

Publications de 2023

Articles scientifiques

Bouziri H, Roquelaure Y, Descatha A, Dab W, Jean K. Temporal and Spatial Distribution of Musculoskeletal Disorders from 1990 to 2019: a Systematic Analysis of the Global Burden of Disease. *BMJ Public Health* 2023;1:e000353. Projet TMS

Ante-Testard PA, Carrasco-Escobar G, Benmarhnia T, Temime L, Jean K. Investigating inequalities in HIV testing in sub-Saharan Africa: spatial analysis of cross-sectional population-based surveys in 25 countries. *BMJ Open* 2023;13:e072403. Projet TESLA

Bun RS, Aït Bouziad K, Daouda OS, Miliani K, Eworo A, Espinasse F, Seytre D, Casetta A, Nérome S, Temime L, Hocine MN, Astagneau P. Identifying Individual and Organizational Predictors of Accidental Exposure to Blood (AEB) among Hospital Healthcare Workers: A Longitudinal Study. *Infection Control and Hospital Epidemiology* 2023;1-10. Projet STRIPPS

Descatha A, Gilbert F, Goldberg M, Zins M, Temime L, Pourret D, Fuentes S, Mayet A, Geraut L, groupe Soignances, Roquelaure Y, Fadel M. The cohorts of “heros” in Constances: Soignances for healthcare workers, Coherances for safety and security workers. *Archives des Maladies Professionnelles et de l'Environnement*. 2023; Volume 84, Issue 5, 101850. Projet SOIGNANCES

Smith DRM, Chervet S, Pinettes T, Shirreff G, Jijón S, Oodally A, Jean K, Opatowski L, Kernéis S, Temime L. How have mathematical models contributed to understanding the transmission and control of SARS-CoV-2 in healthcare settings? A systematic search and review. *Journal of Hospital Infection* 2023; VOLUME 141, P132-141. Projet MODCOV

Duchemin T, Noufaily A, Hocine MN. A statistical algorithm for outbreak detection in multisite settings: an application to sick leave monitoring. *Bioinformatics Advances*. Volume 3, Issue 1, 2023, vbad079. Projet ABSENCE

Ben Halima MA, Greenan N, Lanfranchi J. Getting sick for profit? The impact of cumulative ICT and management changes on long term sickness absence. *Journal of Economic Behavior and Organization*. Volume 212, 2023, Pages 659-688, ISSN 0167-2681. Projet APEPP

Thonon F, Godon-Rensonnet AS, Perozziello A, Garsi JP, Dab W, Emsalem P. Return on investment of workplace-based prevention interventions: a systematic review. *European Journal of Public Health*, , Volume 33, Issue 4, August 2023, Pages 612–618. Projet ROI

Smith DRM, Shirreff G, Temime L, Opatowski L. [Collateral impacts of pandemic COVID-19 drive the nosocomial spread of antibiotic resistance: A modelling study](#). *PLoS Medicine*. 20(7): e1004268. *ProjetCovidRes*

Descatha A, Temime L, Zins M, Gilbert F, Fadel M. SOIGNANCES group, Fadel M. [SOIGNANCES: The Healthcare Professionals Cohort in CONSTANCES](#). *Journal of Occupational and Environmental Medicine*. 65(8):p e578-e579, August 2023. *ProjetSOIGNANCES*

Jean K, Tawheed A, Nguyen LBL, Heikal T, Eldaly U, Elhadidy N, Aboudonia A, Tondeur L, Dublineau A, Fontanet A, El-Kassas M. [Changes in presentation, treatment, and survival of patients with hepatocellular carcinoma in Damietta, Egypt, 2007-2019: a retrospective monocentric cohort study](#). *Journal of Hepatocellular Carcinoma*. 2023 Jan. 10:99-111. *ProjetHCC*

Smith DRM, Jijón S, Oodally A, Shirreff G, Aït Bouziad K, Ante-Testard PA, Bastard J, Bouziri H, Daouda OS, Duchemin T, Godon-Rensonnet AS, Henriot P, Houri Y, Neynaud H, Perozziello A, Thonon F, Crépey P, Dab W, Jean K, Temime L. [Sick-leave due to COVID-19 during the first pandemic wave in France, 2020](#). *Occupational and Environmental Medicine*. 2023;80:268-272. *ProjetTélétravail*

Mohamed Ali Ben Halima, Camille Ciriez, Malik Koubi, Ali Skalli. [Âge légal de départ en retraite et absences maladie : quels effets du passage à 62 ans en 2010 ?](#). *Connaissance de l'emploi #187*, Centre d'Études de l'Emploi et du Travail. Février 2023 . *ProjetAPEPP*

Shedleur-Bourguignon F, Duchemin T, Thériault WP, Longpré J, Thibodeau A, Hocine MN, Fravallo P. [Distinct Microbiotas Are Associated with Different Production Lines in the Cutting Room of a Swine Slaughterhouse](#). *Microorganisms*. 2023 11(1), 133.

Communications dans des conférences internationales

9th International Conference on Infectious Disease Dynamics

Duval A, **Leclerc Q**, Guillemot D, Temime L, Opatowski L. An algorithm to build synthetic temporal contact networks based on close-proximity interactions data. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Leclerc Q, Duval A, Guillemot D, Opatowski L, Temime L. Monitoring contacts to efficiently control pathogen spread in hospital settings. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Leclerc Q, Duval A, Guillemot D, Temime L, Opatowski L. Constructing synthetic contact networks from matrices informed by close-proximity interactions data. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Pinettes T, Jean K, Temime L. Evaluation of the quarantine hospital strategy. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Clements A, **Leclerc Q**, Wildfire J, Lindsay J, Knight G. Modelling the impact of antibiotics on MRSA in vitro population dynamics: the importance of microbiological interactions. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Layan M, Smith D, Chereau F, Maugat S, Opatowski L, Temime L, Hospital Laboratories of SPARES Network. Impact of the Covid-19 pandemic on the diffusion of antibiotic resistance among hospitalized patients in France. **EPIDEMICS9**. November 28-December 1, 2023. **Bologna, Italy**. *Poster*

Henriot P, El Kassas M, Anwar W, Abdo S, Jean K, Temime L. An agent-based model to simulate the transmission dynamics of bloodborne pathogens within hospitals. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Smith D, Shirreff G, Temime L, Opatowski L. Collateral impacts of pandemic COVID-19 drive the nosocomial spread of antibiotic resistance: a modelling study. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Shirreff G, Thiébaud A, Fraboulet A, Chelius G, Huynh BT, Guillemot D, Opatowski L, Temime L. Hospital overcrowding and risk of infection: Is close contact density dependent? **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Kovacevic A, **Smith D**, Rahbe E, Novelli S, Henriot P, Temime L, Opatowski L. Impact of the COVID-19 pandemic responses on the community transmission of antibiotic resistance. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Oral*

Smith D, Duval A, Rebecca Grant R, Abbas M, Harbarth S, Opatowski L, Temime L. Predicting consequences of COVID-19 control measure de-escalation on nosocomial transmission and mortality: A modelling study in a French rehabilitation hospital. **EPIDEMICS9**. November 28 - December 1. **Bologna, Italy**. *Poster*

Transdisciplinary conference on connecting health and climate change

Moutet L, Bigo A, Quirion P, Temime L, Jean K. Different pathways toward net-zero emissions imply diverging health impacts: a health impact assessment study for France. **ENBEL 2023 - Transdisciplinary conference on connecting health and climate change**. Oct 11-12. **Stockholm, Sweden**. *Oral*

Journées de l'Action Coordonnée de Modélisation des maladies infectieuses

Henriot P, Anwar W, El Gaafary M, Abdo S, Rafik M, Hussein W, Sos D, Magdy I, Jean K, Temime L. An agent-based model to simulate the transmission dynamics of bloodborne pathogens within hospitals. **Journées de l'Action Coordonnée de Modélisation des maladies infectieuses**. October 24-25, 2023. **Paris, France**. *Oral*

Leclerc Q, Duval A, Guillemot D, Opatowski L, Temime L. Using contact network dynamics to implement efficient interventions against pathogen spread in hospital settings. **Journées de l'Action Coordonnée de Modélisation des maladies infectieuses**. October 24-25, 2023. **Paris, France**. *Oral*

Layan M, Tressières B, Guilon D, Francius E, Lafargue N, Mellan E, Valette M, Breurec S, Temime L, Opatowski L. Impact of the COVID-19 pandemic on the transmission of ESBL-producing Enterobacteria among patients hospitalized in intensive care units in Guadeloupe. Rencontres **Journées de l'Action Coordonnée de Modélisation des maladies infectieuses**. October 24-25, 2023. **Paris, France**. *Poster*

20ème congrès international de l'ACAPS

Moutet L, Bigo A, Quirion P, Temime L, Jean K. Different pathways toward net-zero emissions imply diverging health impacts: a health impact assessment study for France. **20ème congrès international de l'ACAPS**. Oct 12-Nov 2. Reims, France. *Oral*

7th International Conference on Prevention & Infection Control

Leclerc Q, Duval A, Guillemot D, Opatowski L, Temime L. Monitoring contacts to efficiently control pathogen spread in hospital settings. **ICPIC 2023**. September 12-15. Genève, Suisse. *Oral*

23rd ANRS / EID AC42 Meeting – Réseau national hépatites virales

Henriot P, El Kassas M, Anwar W, Abdo S, Jean K, Temime L. An agent-based model to simulate the transmission dynamics of bloodborne pathogens within hospitals with an application to HCV. **23rd ANRS / EID AC42 Meeting – Réseau national hépatites virales**. May 23, 2023. Paris, France. *Oral*

International Commission on Occupational Health

Bouziri H, Roquelaure Y, Descatha A, Dab W, Jean k. The spatio-temporal distribution of musculoskeletal disorders: Results of the Global Burden of Disease in 204 countries and 21 subregions between 1990 and 2019. **ICOH - International Commission on Occupational Health**. May 15-17, 2023. Angers, France. *Oral*

33rd European Congress of Clinical Microbiology & Infectious Diseases

Henriot P, Anwar W, El Gaafary M, Abdo S, Rafik M, Hussein W, Sos D, Magdy I, Jean K, Temime L. Preventing iatrogenic HCV infection: A quantitative risk assessment based on observational data in an Egyptian hospital. **ECCMID2023 - 33rd European Congress of Clinical Microbiology & Infectious Diseases**. April 15-18, 2023 Copenhagen, Denmark. *Poster*

Leclerc Q, Duval A, Temime L, Opatowski L. Monitoring contacts can help control pathogen spread in hospital settings. **ECCMID2023 - 33rd European Congress of Clinical Microbiology & Infectious Diseases**. April 15-18, 2023 Copenhagen, Denmark. *Poster*

Conférences invitées

Jean K, Changement climatique et santé des populations – Présentation au **Think Tank Santé Mondiale 2030** (12 décembre 2023) – Webinaire. Invitation par François Dabis.

Jean K, Comment les questions de santé peuvent-elles éclairer les choix en matière de transition énergétique? **Conférence TimeWorld Energie** (16 novembre 2023). Invitation par Michel Viso.

Jean K, Keynote: Implementing sustainable development in a higher education context (10 octobre 2023). **Emerging Concept and Design for Sustainability (ECDS 2023)**. Villers-Sur-Mer, France. Invitation par Najla Fourati.

Jean K, Table ronde : Défis de santé liés aux changements climatiques (5 octobre 2023). **Séminaire national des Hospitaliers** : L'hôpital et le défi de la transformation écologique. Lille, France – Invitation par Catherine MEADEB.

Jean K, Bénéfices pour la santé de la mobilité active en France - situation actuelle et prospective à 2050 (18 septembre 2023). **Séminaire EPOP** (Evaluation des POLITiques Publiques), Université Gustave Eiffel, Marne-la-Vallée, France – Invitation par Martin Koning.

Jean K, Table ronde : Santé et facteurs environnementaux : comment mieux prévenir, soigner et s'adapter ? (5 juillet 2023). **1ères rencontres One Health**. Paris, France – Invitation par Anne-Cécile Violland.

Jean K Réchauffement climatique et santé au travail : Quels outils pour évaluer et prévenir? (27 juin 2023). **Institut de Santé au Travail du Nord de la France (ISTNF)** : « Impact des changements climatiques en entreprise : organiser le travail et accompagner la prévention ? ». Webinaire - Invitation par Paul Frimat.

Jean K. *Marche et vélo, bénéfices pour la santé humaine*. **Rencontres de Santé publique France**. Paris, France.

Jean K. *La responsabilité environnementale dans le secteur académique*. **Séminaire doctoral de l'Ecole doctorale Polytechnique Hauts-de-France**. Valenciennes, France

Jean K. *Participation, alternatives, désobéissance.... Quels modes d'action pour les scientifiques face aux crises environnementales ?* **Séminaire du LOCEAN, Sorbonne Université, Campus Pierre et Marie Curie**. Paris, France.

Jean K. *Place de la science dans le changement des politiques publiques*. **Journée Scientifique de la Santé Humanitaire et Solidaire, Médecins du Monde**. Paris, France.

Jean K. *La recherche face à l'urgence écologique : les enjeux du militantisme*. **CIREN+50 : séminaire des 50 ans du Centre International de Recherche sur l'environnement et le développement**. Paris, France.

Jean K. *Evaluer les cobénéfices pour la santé de politiques environnementales*. **Séminaire du Haut Conseil pour l'Avenir de l'Assurance Maladie**. France.

<https://mesurs.cnam.fr/publications/articles/publications-de-2023-1384064.kjsp?RH=1650614504542>