

Résumé - Lamia Benbrahim-Tallaa

Education (institution, degree, year, scientific area)

- Claude Bernard University, Lyon I, France	PhD	2001	Toxicology
- Claude Bernard University, Lyon I, France	MA	1997	Metabolism, Endocrinology, and Nutrition
- Claude Bernard University, Lyon I, France	BS	1996	Physiology, Endocrinology, and Metabolic Regulations
- Houari Boumedienne University, Algiers, Algeria	BS	1991	Endocrinology

Employment

- 2007-Present Scientist IARC *Monographs* Programme, International Agency for Research on Cancer, IARC/WHO, Lyon, France.
- 2002-2007 Postdoctoral Fellow, Inorganic Carcinogenesis Section, Laboratory of Comparative Carcinogenesis, NCI at NIEHS, NC, USA

Other professional experience

- 2013 - 2016: Member of the IARC Advisory Group on Publication committee (ACP).
- 2010 – Present: Special Volunteer NTP/NIEHS.
- 2009-2012: Member of the editorial board of journal “*Toxicology and Applied Pharmacology*”
- Reviewer for “*Environmental Health Perspectives*”
“*Journal of Toxicology and Environmental Health*”
“*Critical Reviews in Toxicology*”
- Scientific meeting organization:
 - *IARC Monographs on the Evaluation of Carcinogenic Risks to Humans*. Volume 110: Perfluoro-octanoic acid, fluoroethylene, dichloromethane, 1,2-dichloropropane, propane sultone, Lyon, France: 3-10 June 2014 (Responsible Officer).
 - *IARC Monographs on the Evaluation of Carcinogenic Risks to Humans*. Volume 105: Diesel and gasoline engine exhausts and some nitroarenes, Lyon, France: 5-12 June 2012 (Responsible Officer).
 - *IARC Monographs on the Evaluation of Carcinogenic Risks to Humans*. Volume 100, Meeting C: Metals, Particles and Fibers, Lyon, France: 17-24 March 2009 (Co-Responsible Officer).

Professional membership

Society of Toxicology (SOT), 2002-present

Selected publications

Guyton KZ, Loomis D, Grosse Y, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Mattock H, Straif K. Carcinogenicity of pentachlorophenol and some related compounds. *Lancet Oncol* 2016; 17:1637-1638.

Loomis D, Guyton KZ, Grosse Y, Lauby-Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Mattock H, Straif K. Carcinogenicity of drinking coffee, mate, and very hot beverages. *Lancet Oncol* 2016; 17:877-878.

Grosse Y, Loomis D, Guyton KZ, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Mattock H, Straif K. Carcinogenicity of some industrial chemicals. *Lancet Oncol* 2016; 17:419-420.

Lauby-Secretan B, Loomis D, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Grosse Y, Straif K. Use of mechanistic data in the IARC evaluations of the carcinogenicity of polychlorinated biphenyls and related compounds. *Environ Sci Pollut Res Int* 2016; 23: 2220-2229.

Bouvard V, Loomis D, Guyton KZ, Grosse Y, Ghissassi FE, **Benbrahim-Tallaa L**, Guha N, Mattock H, Straif K. Carcinogenicity of consumption of red and processed meat. *Lancet Oncol* 2015; 16:1599-1600.

Guyton KZ, El Ghissassi FE, **Benbrahim-Tallaa L**, Grosse Y, Loomis D, Straif. Recent Progress in Mechanistic Data Evaluation: The IARC Monographs Perspective. *Environ Mol Mutagen* 2015; 56:S84-S84.

Loomis D, Guyton K, Grosse Y, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Mattock H, Straif K. Carcinogenicity of lindane, DDT, and 2,4-dichlorophenoxyacetic acid. *Lancet Oncol* 2015; 16:891-892.

Lauby-Secretan B, Loomis D, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Grosse Y, Straif K. Breast-cancer screening--viewpoint of the IARC Working Group. *N Engl J Med* 2015; 372:2353-2358.

Guyton K, Loomis D, Grosse Y, El Ghissassi F, **Benbrahim-Tallaa L**, Guha N, Scoccianti C, Mattock H, Straif K. Carcinogenicity of tetrachlorvinphos, parathion, malathion, diazinon, and glyphosate. *Lancet oncol* 2015; 16:490-491.

Grosse Y, Loomis D, Guyton K, Lauby-Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Scoccianti C, Mattock H, Straif K. Carcinogenicity of fluoro-edenite, silicon carbide fibres and whiskers, and carbon nanotubes. *Lancet oncol* 2014; 15:1427-1428.

Benbrahim-Tallaa L, Lauby-Secretan B, Loomis D, Grosse Y, El Ghissassi F, Bouvard V, Guha N, Straif K. Carcinogenicity of perfluorooctanoic acid, tetrafluoroethylene, dichloromethane, 1,2-dichloropropane, and 1,3-propane sultone. *Lancet oncol* 2014; 15:924-925.

Straif K, Loomis D, Guyton K, Grosse Y, Lauby-Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Mattock H. Future priorities for the IARC Monographs. *Lancet oncol* Published online May 6, 2014.

Loomis D, Grosse Y, Lauby-Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Baan R, Mattock H, Straif K. The carcinogenicity of outdoor air pollution. *Lancet oncol* 2013; 14:1262-1263.

Grosse Y, Loomis D, Lauby-Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Baan R, Mattock H, Straif K. Some drugs and herbal products. *Lancet oncol* 2013; 14:807-808.

Lauby-Secretan B, Loomis D, Grosse Y, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Baan R, Mattock H, Straif K. Carcinogenicity of polychlorinated biphenyls and polybrominated biphenyls. *Lancet oncol* 2013; 14:287-288.

Benbrahim-Tallaa L, Baan R, Grosse Y, Lauby-Secretan B, El Ghissassi F, Bouvard V, Guha N, Loomis D, Straif K. Carcinogenicity of diesel-engine and gasoline-engine exhausts and some nitroarenes. [Cancérogénicité des effluents des moteurs diesel et essence et de certains hydrocarbures aromatiques polycycliques nitrés (nitro-PAH ou nitroarenes).] *Pollution atmosphérique* Sup2012 :43-44.

Guha N, Loomis D, Baan R, Grosse Y, Lauby-Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Straif K. Carcinogenicity of trichloroethylene, tetrachloroethylene, some other chlorinated solvents, and their metabolites. *Lancet oncol* 2012;13:1192-1193.

Benbrahim-Tallaa L, Baan R, Grosse Y, Lauby-Secretan B, El Ghissassi F, Bouvard V, Guha N, Straif K. Carcinogenicity of diesel-engine and gasoline-engine exhausts and some nitroarenes. *Lancet oncol* 2012; 13:663-664.

Bouvard V, Baan R, Grosse Y, Lauby-Secretan B, El Ghissassi F, **Benbrahim-Tallaa L**, Guha N, Straif K. Carcinogenicity of malaria and of some polyomaviruses. *Lancet oncol* 2012; 13:339-340.

Lauby-Secretan B, Baan R, Grosse Y, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Galichet L, Straif K. Bitumens and bitumen emissions, and some heterocyclic polycyclic aromatic hydrocarbons. *Lancet oncol* 2011; 12:1190-1191.

Cogliano V, Baan R, Straif K, Grosse Y, Lauby-Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Freeman C, Galichet L, Wild C. Preventable Exposures Associated With Human Cancers. *J Natl Cancer Inst* 2011; 1–13.

Baan R, Grosse Y, Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Freeman C, Galichet L, Straif K. Carcinogenicity of radiofrequency electromagnetic fields. *Lancet oncol* 2011; 12:624-6.

Guha N, Straif K, **Benbrahim-Tallaa L**. The IARC Monographs on the Carcinogenicity of Crystalline Silica. *Med Lav*. 2011; 310-20. Review.

Grosse Y, Baan R, Secretan B, Lauby B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Galichet L, Islami F, Straif K. Carcinogenicity of chemicals in industrial and consumer products, food contaminants and flavourings, and water chlorination byproducts. *Lancet oncol* 2011; 12:328-329.

Tokare EJ, **Benbrahim-Tallaa L**, Waalkes MP. Metal ions in human cancer development. In: Siegel A, Siegel H, Siegel RKO, Eds, *Metal ions in life sciences*, RSC Publishing, Cambridge, UK, 2011; 375-401. Chapter.

Tokare EJ, **Benbrahim-Tallaa L**, Ward JM, Lunn R, Sams RL, Waalkes MP. Cancer in experimental animals exposed to arsenic and arsenic compounds. *Crit Rev Toxicol* 2010; 40:912-927. Review.

Benbrahim-Tallaa L, Tokar EJ, Diwan BA, Dill AL, Coppin JF, and Waalkes MP. Cadmium Malignantly Transforms Normal Human Breast Epithelial Cells into a Basal-like Phenotype. *Environ Health Perspect* 2009; 117:1847-1852. [note: Manuscript highlighted in Science Selections section pp A552].

Baan R, Straif K, Grosse Y, Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Freeman C, Galichet L, Coglianò V. A review of human carcinogens—Part F: chemical agents and related occupations. *Lancet oncol.* 2009; 10:1143-1144.

Secretan B, Baan R, Straif K, Grosse Y, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Freeman C, Galichet L, Coglianò V. A review of human carcinogens—Part E: tobacco, areca nut, alcohol, coal smoke, and salted fish. *Lancet oncol.* 2009; 10:1033-1034.

El Ghissassi F, Baan R, Straif K, Grosse Y, Secretan B, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Freeman C, Galichet L, Coglianò V. A review of human carcinogens—Part D: radiation. *Lancet Oncol.* 2009; 10:751-752.

Straif K, **Benbrahim-Tallaa L**, Baan R, Grosse Y, Secretan B, El Ghissassi F, Bouvard V, Guha N, Galichet L, Coglianò V. A review of human carcinogens—Part C: metals, arsenic, dusts, and fibres. *Lancet oncol.* 2009; 10:453-454.

Bouvard V, Baan R, Straif K, Grosse Y, Secretan B, El Ghissassi F, **Benbrahim-Tallaa L**, Guha N, Galichet L, Coglianò V. A review of human carcinogens—Part B: biological Agents. *Lancet oncol* 2009; 10:321-322.

Benbrahim-Tallaa L and Waalkes MP. Inorganic arsenic and prostate cancer. *Cien Saude Colet.* 2009;14:307-318.

Grosse Y, Baan R, Straif K, Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Guha N, Galichet L, Coglianò V. A review of human carcinogens—Part A: pharmaceuticals. *Lancet oncol* 2009;10:13-14.

Coglianò V, Baan R, Straif K, Yann Grosse, Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L** and Guha N. Future priorities for IARC Monographs. *Lancet oncol.* 2008; 9:699-808.

Baan R, Straif K, Grosse Y, Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L** and Coglianò V. Carcinogenicity of some aromatic amines, organic dyes, and related exposures. *Lancet oncol.* 2008; 9:322-323.

Benbrahim-Tallaa L and Waalkes MP. Inorganic arsenic and prostate cancer. *Environ Health Perspect* 2008; 116:158-164.

Benbrahim-Tallaa L, Siddeek B, Bozec A, Tronchon V, Florin A, Friry C, Tabone E, Mauduit C, and Benahmed M. Alterations of Sertoli cell activity in the long-term testicular germ cell death process induced by fetal androgen disruption *J. Endocrinol* 2008 196:21-31.

Straif K, Baan R, Grosse Y, Secretan B, El Ghissassi F, Bouvard V, **Benbrahim-Tallaa L**, Coglianò V. Carcinogenicity of shift-work, painting, and fire-fighting. *Lancet oncol.* 2007; 8:1065-1066.

Benbrahim-Tallaa L, Waterland RA, Webber MM and Waalkes MP. Tumor Suppressor Gene Inactivation During Cadmium-induced malignant transformation of human prostate cells correlates with over-expression of *de novo* DNA methyltransferase. *Environ Health Perspect* 2007; 115:1454-1459.

Xie Y, Liu J, **Benbrahim-Tallaa L**, Ward JM, Logston D, Diwan BA, Waalkes MP. Aberrant DNA methylation and gene expression in livers of newborn mice transplacentally exposed to a hepatocarcinogenic dose of inorganic arsenic. *Toxicology*. 2007; 236:7-15.

Benbrahim-Tallaa L, Webber MM and Waalkes MP. Mechanisms of acquired androgen independence during arsenic-induced malignant transformation of human prostate epithelial cells. *Environ Health Perspect* 2007; 115:143-147.

Benbrahim-Tallaa L, Liu J, Webber MM and Waalkes MP. Role of estrogen receptor and disturbed androgen metabolism in acquired androgen independence during cadmium-induced malignant transformation. *The Prostate* 2007; 67:135-145.

Liu J, **Benbrahim-Tallaa L**, Qian X, Yu L, Xie Y, Boos J, Qu W, Waalkes MP. Further studies on aberrant gene expression associated with arsenic-induced malignant transformation in rat liver TRL 1215 cells. *Toxicol Appl Pharmacol*. 2006; 216:407-415.

Benbrahim-Tallaa L, Webber MM and Waalkes MP. Acquisition of androgen-independence in human prostate epithelial cells during arsenic-induced malignant transformation. *Environ Health Perspect* 2005; 113:1134-1139. [note: Manuscript highlighted in Science Selections section].

Benbrahim-Tallaa L, Waterland RA, Webber MM and Waalkes MP. Molecular Events Associated with arsenic-induced malignant transformation of human prostatic epithelial cells: aberrant genomic DNA methylation and K-ras oncogene activation. *Toxicol Appl Pharmacol*. 2005; 206:288-298.

Benahmed M, Chuzel F, Bars R, Omezzine A, Mauduit C, **Benbrahim-Tallaa L**, Goddard I, Bozec A, Florin A, Tabone E. Role of Sertoli Cells in Hypospermatogenesis Induced by Antiandrogens. *Testicular Tangrams*. Volume 9 of the series, Ernst Schering Research Foundation Workshop. In: F.F.G. Rommerts et al. (eds.), *Testicular Tangrams*. Springer-Verlag Berlin Heidelberg; 2002, 19-28. Chapter.

Benbrahim Tallaa L, Boussouar F, Rey C, Benahmed M. Tumor necrosis factor- α inhibits glutathione S-transferase alpha (GST α) expression in cultured porcine sertoli cells. *J. Endocrinol* 2002; 175:803-812.

Benbrahim-Tallaa L, Tabone E, Tosser-Klopp G, Hatey F and Benahmed M. Glutathione S-transferase alpha expressed in porcine sertoli cells is under the control of follicle stimulating hormone and testosterone. *Biol. Reprod*. 2002; 66:1734-1742.