



Almudena Espin Perez

Postdoctoral Scholar, Biomedical Informatics

Bio

PROFESSIONAL EDUCATION

- Master of Science, Universidad Politecnica de Valencia (UPV) (2013)
- Bachelor of Science, Universidad Politecnica de Valencia (UPV) (2013)
- Doctor of Science, Maastricht University (2017)
- Master of Science, Cranfield Institute Of Technology (2013)

Publications

PUBLICATIONS

- **Peripheral blood DNA methylation profiles predict future development of B-cell Non-Hodgkin Lymphoma.** *NPJ precision oncology*
Espin-Perez, A., Brennan, K., Ediriwickrema, A. S., Gevaert, O., Lossos, I. S., Gentles, A. J.
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- **Artificial intelligence and data science applied to bioengineering** *AIMS BIOENGINEERING*
Espin-Perez, A., Bozkurt, S., Zheng, H., Nivina, A.
2021; 8 (1): 93–94
- **Atlas of clinically distinct cell states and ecosystems across human solid tumors.** *Cell*
Luca, B. A., Steen, C. B., Matusiak, M., Azizi, A., Varma, S., Zhu, C., Przybyl, J., Espín-Pérez, A., Diehn, M., Alizadeh, A. A., van de Rijn, M., Gentles, A. J., Newman, et al
2021
- **Genes associated with Parkinson's disease respond to increasing polychlorinated biphenyl levels in the blood of healthy females** *ENVIRONMENTAL POLLUTION*
Bohler, S., Krauskopf, J., Espin-Perez, A., Gebel, S., Palli, D., Rantakokko, P., Kiviranta, H., Kyrtopoulos, S. A., Balling, R., Kleinjans, J.
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- **The Cord Blood Insulin and Mitochondrial DNA Content Related Methylome** *FRONTIERS IN GENETICS*
Reimann, B., Janssen, B. G., Alfano, R., Ghantous, A., Espin-Perez, A., de Koko, T. M., Saenen, N. D., Cox, B., Robinson, O., Chadeau-Hyam, M., Penders, J., Herceg, Z., Vineis, et al
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- **The Cord Blood Insulin and Mitochondrial DNA Content Related Methylome.** *Frontiers in genetics*
Reimann, B., Janssen, B. G., Alfano, R., Ghantous, A., Espín-Pérez, A., de Kok, T. M., Saenen, N. D., Cox, B., Robinson, O., Chadeau-Hyam, M., Penders, J., Herceg, Z., Vineis, et al
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- **Identification of Sex-Specific Transcriptome Responses to Polychlorinated Biphenyls (PCBs)** *SCIENTIFIC REPORTS*
Espin-Perez, A., Hebels, D. J., Kiviranta, H., Rantakokko, P., Georgiadis, P., Botsivali, M., Bergdahl, I. A., Palli, D., Spath, F., Johansson, A., Chadeau-Hyam, M., Kyrtopoulos, S. A., Kleinjans, et al

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- **Short-term transcriptome and microRNAs responses to exposure to different air pollutants in two population studies** *ENVIRONMENTAL POLLUTION*
Espin-Perez, A., Krauskopf, J., Chadeau-Hyam, M., van Veldhoven, K., Chung, F., Cullinan, P., Piepers, J., van Herwijnen, M., Kubesch, N., Carrasco-Turigas, G., Nieuwenhuijsen, M., Vineis, P., Kleinjans, et al
2018; 242: 182–90
- **Comparison of statistical methods and the use of quality control samples for batch effect correction in human transcriptome data** *PLOS ONE*
Espin-Perez, A., Portier, C., Chadeau-Hyam, M., van Veldhoven, K., Kleinjans, J. S., de Kok, T. M.
2018; 13 (8): e0202947
- **Blood transcriptional and microRNA responses to short-term exposure to disinfection by-products in a swimming pool** *ENVIRONMENT INTERNATIONAL*
Espin-Perez, A., Font-Ribera, L., van Veldhoven, K., Krauskopf, J., Portengen, L., Chadeau-Hyam, M., Vermeulen, R., Grimalt, J. O., Villanueva, C. M., Vineis, P., Kogevinas, M., Kleinjans, J. C., de Kok, et al
2018; 110: 42–50
- **Distinct genotype-dependent differences in transcriptome responses in humans exposed to environmental carcinogens** *CARCINOGENESIS*
Espin-Perez, A., de Kok, T. M., Jennen, D. J., Hendrickx, D. M., De Coster, S., Schoeters, G., Baeyens, W., van Larebeke, N., Kleinjans, J. S.
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- **Global MicroRNA Analysis in Primary Hepatocyte Cultures** *PROTOCOLS IN IN VITRO HEPATOCYTE RESEARCH*
Krauskopf, J., Espin-Perez, A., Kleinjans, J. C., de Kok, T. M., Vinken, M., Rogiers
2015; 1250: 241–50