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Date of birth: 08.04.1967
City of birth: Cartagena (Spain)
Nationality: Spanish

Education:

1. PhD: "Automated quantification of DNA strand breaks and DNA repair and its application in the genetic toxicology and aging research" at the University of Konstanz, Germany. **Grade: Magna Cum Laude**
2. Biology at the University of Konstanz, Germany
3. Cytopathology at the technical school joined to the University of Tübingen (Tübingen, Germany)

Work experience:

1. Since Nov. 2018: Academic Assistant and Senior Scientist at Training and Movement Science group at the University of Konstanz, Germany
Affiliated to NASA Johnson Space Center, Houston, USA
2. Jan 2018 to Oct 2018: Academic Assistant and Senior Scientist at molecular toxicology group, University of Konstanz, Germany
3. Jun 2015 to Dec 2018: Senior Scientist NASA Johnson Space Center, Houston USA
4. Oct 2013 to May 2015: Academic Assistant and Senior Scientist at molecular toxicology group, University of Konstanz, Germany
5. March 2008 to Sep 2013: Project Manager: EU FP7 MARK-AGE
(<https://www.youtube.com/watch?v=JcUtby9MHdc>)
6. Oct 2001 to Oct 2004: Half-time employment as Technician in Cytopathologie in the medical laboratory Dr. Med. Stocker (Konstanz, Germany)
7. Oct 1998 to Sep 2001: Cytopathological diagnostic and responsible for the cytopathology laboratory Dr. Med. Böhm (Friedrichshafen, Germany)
8. 1991-1994: Scholarship for high-level sport. Sport members and fiscal and financial activities administration (Murcia, Spain)
9. 1988-1991: Professional sport and leader of sport club „Dos Mares“. Involved in sport initiation and progress of children aged between four and fourteen (La Manga, Spain).

Languages: Spanish (native speaker), German (very good), English (very good), French (initial)

Fellowships

1. 2-years German federal scholarship for Technician in Cytopathology, Tübingen, (Germany)
2. 6-weeks DAAD Research Scholarship at the pharmacological company “Pannon Pharma” (Pécs, Hungary)
3. 4-months DAAD Research Scholarship and VEUK Research Scholarship, Northern Institute for Cancer Research, Newcastle, (England)
4. 2-years German Research Association (DFG). Research Fellowship at NASA Johnson Space Center

Awards

1. Ursula M. Händel-Tierschutzpreis German Research Association (*DFG-Deutsche Forschungsgemeinschaft*, 2011)
2. “Woman of the year 2014” by the Ministry of Health and Social Politic of Murcia (Spain)
3. LBS Foundation Environmental Award: Exposure to Traumatic Stressors Induces DNA Damage and Accelerates the Ageing Process, an issue of concern in today’s society, 2014.
4. Innovation award. May 2017. NASA Johnson Space Center’s Chief Technologist’s Office (CTO). Innovative idea for developing a small, automated device capable to measure DNA damage in astronaut’s blood in space (\$10,000). Note: This project will be performed at NASA Johnson Space Center in Houston and will be co-investigated with my U.S. colleague Stephanie Krieger, Wyle KBR.

Grants

1. Grant proposal for an experimental X-ray device, submitted through the Chair of Mol. Toxicology. DFG-Deutsche Forschungsgemeinschaft: 198,000€ (2013)
2. Transfer project: Automated FADU Assay, alternative method for measuring DNA strand breaks and DNA repair *in vivo* and *in vitro* Funding: 200,000€ (2013-2016)
3. Young Scholar Fund Excellence Initiative University of Konstanz. Project: Molecular mechanisms of premature ageing induced by chronic traumatic stress Funding: 50,000€ (2013)
4. Young Scholar Fund Excellence Initiative University of Konstanz. Project: Molecular mechanisms of premature ageing induced by chronic traumatic stress Funding: 30,000€ (2014)
5. NASA FY16-20: DNA damage in the ISS astronauts’ lymphocytes and their association with stress-induced immune dysfunction, NASA NRA, Co-I and Science-PI, Funding: 200,000\$ (2015)
6. NASA Project: DNA damage response and radiosensitivity of immune cells from subjects undergoing **4x4** weeks of confinement and sleep deprivation in the NASA Human Exploration Research Analog. Co-I (2016). Funding: approx. 30,000\$
7. NASA Project: DNA damage response and radiosensitivity of immune cells from subjects undergoing **4x6** weeks of confinement in the NASA Human Exploration Research Analog. Co-I (2017). Funding: approx. 30,000\$

Patents

European patent application submitted on 21 March 2013 through Müller-Boré & Partner (K4411EU), Munich; title: “Method for the determination of biological age in human beings”; Contribution to authorship: 3.125%

Konstanz, August 2019