



Dr. Tina Buerki-Thurnherr

Contact

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Publications (4)

Dugershaw-Kurzer B, Bossart J, Buljan M, Hannig Y, Zehnder S, Gupta G, Kissling V, Patrycja N, van Beijnum J, Griffioen A, Masjosthusmann S, Zühr E, Fritsche E, Hornung R, Rduch T, Buerki-Thurnherr T. Nanoparticles Dysregulate the Human Placental Secretome with Consequences on Angiogenesis and Vascularization. *Adv Sci (Weinh)* 2024:e2401060.

Muoth C, Wick P, Jochum W, Wichser A, Grieder K, Diener L, Moya S, Astruc D, Ruiz J, Karst U, Großgarten M, Buerki-Thurnherr T. Impact of particle size and surface modification on gold nanoparticle penetration into human placental microtissues. *Nanomedicine (Lond)* 2017; 12:1119-1133.

Muoth C, Wick P, Jochum W, Manser P, Diener L, Kucki M, Gallud A, Loeschner K, Ehrlich N, Correia M, Monopoli M, Wichser A, Buerki-Thurnherr T. A 3D co-culture microtissue model of the human placenta for nanotoxicity assessment. *Nanoscale* 2016; 8:17322-17332.

Grafmueller S, von Mandach U, Buerki-Thurnherr T, Krug H, Jochum W, Maurizi L, Maeder-Althaus X, Diener P, Diener L, Manser P, Wick P. Bidirectional Transfer Study of Polystyrene Nanoparticles across the Placental Barrier in an ex Vivo Human Placental Perfusion Model. *Environ Health Perspect* 2015; 123:1280-6.

Projects (2)

Exploring indirect embryo-fetal risks of nanomaterials: Interference with inflammatory, vascular and endocrine signaling from human placental tissue

Fundamental Research - Oct 1, 2018 - Sep 30, 2021

Automatically Closed

Exploring the Origins, Characteristics and Implications of Placental Calcification - A Materials Science Approach

Fundamental Research - May 1, 2017 - Apr 30, 2020

Automatically Closed

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