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REPRESENTATIVE SCIENTIFIC PUBLICATIONS BY CTIBIOTECH

1. C. McGuckin, N. Forraz, C. Milet, M. Lacroix, Y. Sbirkov, V. Sarafian, C. Ebel, A. Spindler, V. Koerper, E. Quéméneur, J.-M. Balloul, P. Erbs, Stable Biotherapeutic Penetration Screening in Critically Small Colorectal Metastatic Cancer Biopsies Allows for Oncolytic Virus-Delivered Chemotherapeutic Response Assessment through 3D Bioprinted Organoid Expansion. *Adv. Therap.* 2025, 8, 2400221. <https://doi.org/10.1002/adtp.202400221>
2. Blaise O, Duchesne C, Capuzzo E, Nahori MA, Fernandes J, Connor MG, Hamon MA, Pizarro-Cerda J, Lataillade JJ, McGuckin C, Rousseau A, Banzet S, Dussurget O, Frescaline N. Infected wound repair correlates with collagen I induction and NOX2 activation by cold atmospheric plasma. *NPJ Regen Med.* 2024 Oct 2;9(1):28. doi: 10.1038/s41536-024-00372-0. PMID: 39358383; PMCID: PMC11447178.
3. Sbirkov, Y.; Redzheb, M.; Forraz, N.; McGuckin, C.; Sarafian, V. High Hopes for the Biofabrication of Articular Cartilage—What Lies beyond the Horizon of Tissue Engineering and 3D Bioprinting? *Biomedicines* 2024, 12, 665. <https://doi.org/10.3390/biomedicines12030665>
4. McGuckin, C.; Forraz, N.; Milet, C.; Lacroix, M.; Sbirkov, Y.; Sarafian, V.; Ebel, C.; Spindler, A.; Koerper, V.; Balloul, J.-M.; et al. World's First Long-Term Colorectal Cancer Model by 3D Bioprinting as a Mechanism for Screening Oncolytic Viruses. *Cancers* 2023, 15, 4724. <https://doi.org/10.3390/cancers15194724>
5. Forraz, N.; Bize, C.; Desroches, A.-L.; Milet, C.; Payen, P.; Chanut, P.; Kern, C.; Garcia, C.; McGuckin, C. The World's First Acne Dysbiosis-like Model of Human 3D Ex Vivo Sebaceous Gland Colonized with Cutibacterium acnes and Staphylococcus epidermidis. *Microorganisms* 2023, 11, 2183. <https://doi.org/10.3390/microorganisms11092183>

6. Podrini, C.; Schramm, L.; Marianantoni, G.; Apolinarska, J.; McGuckin, C.; Forraz, N.; Milet, C.; Desroches, A.-L.; Payen, P.; D'Aguanno, M.; et al. Topical Administration of Lactiplantibacillus plantarum (SkinDuo™) Serum Improves Anti-Acne Properties. *Microorganisms* 2023, 11, 417.
<https://doi.org/10.3390/microorganisms11020417>
7. Atsugi T, Teramura T, Ota H, Yoshida-Aida T, Yamashita M, Lacroix M, Desroches AL, Forraz N, McGuckin C, Naru E. Impaired holocrine secretion and intracellular retention of autophagosomal components in comedones. *J Dermatol Sci.* 2022 Jul;107(1):52-55. doi: 10.1016/j.jdermsci.2022.06.002. Epub 2022 Jun 23. PMID: 35781169.
8. Rengaraj A, Bosc L, Machillot P, McGuckin C, Milet C, Forraz N, Paliard P, Barbier D, Picart C. Engineering of a Microscale Niche for Pancreatic Tumor Cells Using Bioactive Film Coatings Combined with 3D-Architected Scaffolds. *ACS Appl Mater Interfaces.* 2022 Mar 23;14(11):13107-13121. doi: 10.1021/acsami.2c01747. Epub 2022 Mar 11. PMID: 35275488; PMCID: PMC7614000.
9. A colorectal cancer 3D bioprinting workflow as a platform for disease modelling and chemotherapeutic screening. Sbirkov Y, Molander D, Milet C, Bodurov I, Atanasov B, Penkov R, Belev N, Forraz N, McGuckin C and Sarafian F. *Frontiers in Bioengineering and Biotechnology* 2021
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10. Exploring the Complementarity of Pancreatic Ductal Adenocarcinoma Preclinical Models. Hoare O, Fraunhofer N, Elkaoutari A, Gayet O, Bigonnet M, Roques J, Nicolle R, McGuckin C, Forraz N, Sohier E, Tonon L, Wajda P, Boyault S, Attignon V, Tabone-Eglinger S, Barbier S, Mignard C, Duchamp O, Iovanna J, Dusetti NJ. *Cancers (Basel).* 2021 May 19;13(10):2473. doi: 10.3390/cancers13102473. PMID: 34069519
11. The World's First 3D Bioprinted Immune Skin Model Suitable for Screening Drugs and Ingredients for Normal and Inflamed Skin. Lègues M, Milet C, Forraz N, Berthelemy N, Pain S, André-Frei V, Cadau S, McGuckin C. *International Federation of Societies of Cosmetic Chemists Magazine.* Volume 23 | Number 4 | December 2020. 233-239 ISSN 1520-4561
12. Development of the World's First Ethical Newborn and Infant Baby Skin Model for Cosmetics and Drug Testing. De Bengy AF, Forraz N, Pagnon-Minot A, McGuckin C.

13. Characterization of Different Sources of Human MSCs Expanded in Serum-Free Conditions with Quantification of Chondrogenic Induction in 3D. Fabre H, Ducret M, Degoul O, Rodriguez J, Perrier-Groult E, Aubert-Foucher E, Padeloup M, Auxenfans C, McGuckin C, Forraz N, Mallein-Gerin F. *Stem Cells Int.* 2019 Jun 20;2019:2186728. doi: 10.1155/2019/2186728. eCollection 2019. PMID: 31320905
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15. Age-Dependent Transformation of Skin Biomechanical Properties and Micromorphology during Infancy and Childhood. Fluhr JW, Bellemère G, Ferrari C, De Belilovsky C, Boyer G, Lachmann N, McGuckin CP, Forraz N, Darlenski R, Chadoutaud B, Msika P, Baudouin C, Pellacani G. *J Invest Dermatol.* 2019 Feb;139(2):464-466. doi: 10.1016/j.jid.2018.07.034. Epub 2018 Sep 1. PMID: 30179600
16. Immunophenotyping Reveals the Diversity of Human Dental Pulp Mesenchymal Stromal Cells In vivo and Their Evolution upon In vitro Amplification. Ducret M, Fabre H, Degoul O, Atzeni G, McGuckin C, Forraz N, Mallein-Gerin F, Perrier-Groult E, Alliot-Licht B, Farges JC. *Front Physiol.* 2016 Nov 8;7:512.
17. A standardized procedure to obtain mesenchymal stem/stromal cells from minimally manipulated dental pulp and Wharton's jelly samples. Ducret M, Fabre H, Degoul O, Atzeni G, McGuckin C, Forraz N, Mallein-Gerrin F, Perrier-Groult E, Farges JC. *Bull Group Int Rech Sci Stomatol Odontol.* 2016 Jun 28;53(1):e37.
18. Cord blood processing by a novel filtration system. Sato N, Fricke C, McGuckin C, Forraz N, Degoul O, Atzeni G, Sakurai H. *Cell Prolif.* 2015 Dec;48(6):671-81. doi: 10.1111/cpr.12217.
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