

## Publications Stemming From The Progeria Research Foundation Cell and Tissue Bank

The Progeria Research Foundation Cell and Tissue Bank has contributed to the following medical publications, categorized by sample type for researcher convenience:

### DNA

#### [Clonal hematopoiesis is not prevalent in Hutchinson-Gilford progeria syndrome](#)

Díez-Díez M, Amorós-Pérez M, de la Barrera J, et al. [published online ahead of print, 2022 Jun 25]. *Geroscience*. 2022;10.1007/s11357-022-00607-2. doi:10.1007/s11357-022-00607-2

#### [A Novel Somatic Mutation Achieves Partial Rescue in a Child With Hutchinson-Gilford Progeria Syndrome](#)

Bar DZ, Arlt MF, Brazier JF, et al. *J Med Genet* 2017;54(3):212-216. doi:10.1136/jmedgenet-2016-104295

#### [Transient introduction of human telomerase mRNA improves hallmarks of progeria cells](#)

Li Y, Zhou G, Bruno IG, et al. *Aging Cell* 2019;18(4):e12979. doi:10.1111/accel.12979

#### [Epigenetic clock for skin and blood cells applied to Hutchinson Gilford Progeria Syndrome and ex vivo studies](#)

Horvath S, Oshima J, Martin GM, et al. *Aging (Albany NY)*. 2018;10(7):1758-1775. doi:10.18632/aging.101508

### Autopsy tissue

#### [Remodeling of the Cardiac Extracellular Matrix Proteome During Chronological and Pathological Aging](#)

Santinha D, Vilaça A, Estronca L, et al. *Mol Cell Proteomics*. 2024;23(1):100706. doi:10.1016/j.mcpro.2023.100706

#### [Atherosclerosis in ancient humans, accelerated aging syndromes and normal aging: is lamin a protein a common link?](#)

Miyamoto MI, Djabali K, Gordon LB. *Glob Heart*. 2014;9(2):211-218. doi:10.1016/j.gheart.2014.04.001

#### [Cardiovascular Pathology in Hutchinson-Gilford Progeria: Correlation With the Vascular Pathology of Aging](#)

Olive M, Harten I, Mitchell R, et al. *Arterioscler Thromb Vasc Biol* 2010;30(11):2301-2309. doi:10.1161/ATVBAHA.110.209460

[Hutchinson-Gilford Progeria Mutant Lamin A Primarily Targets Human Vascular Cells as Detected by an anti-Lamin A G608G Antibody](#)

McClintock D, Gordon LB, Djabali K. *Proc Natl Acad Sci U S A*. 2006;103(7):2154-2159. doi:10.1073/pnas.0511133103

## Plasma

[Aged-vascular niche hinders osteogenesis of mesenchymal stem cells through paracrine repression of Wnt-axis](#)

Fleischhacker V, Milosic F, Bricelj M, et al. *Aging Cell*. Published online April 5, 2024. doi:10.1111/accel.14139

[Plasma Progerin in Patients With Hutchinson-Gilford Progeria Syndrome: Immunoassay Development and Clinical Evaluation](#)

Gordon LB, Norris W, Hamren S, et al. *Circulation*. 2023;147(23):1734-1744. doi:10.1161/CIRCULATIONAHA.122.060002

[Metabolomic Profiling Suggests Systemic Signatures of Premature Aging Induced by Hutchinson-Gilford Progeria Syndrome](#)

Monnerat G, Evaristo GPC, Evaristo JAM, et al. *Metabolomics* 2019;15(7):100. Published 2019 Jun 28. doi:10.1007/s11306-019-1558-6

## Serum

[Direct reprogramming of human smooth muscle and vascular endothelial cells reveals defects associated with aging and Hutchinson-Gilford progeria syndrome](#)

Bersini S, Schulte R, Huang L, Tsai H, Hetzer MW. *Elife*. 2020 Sep 8;9:e54383. doi: 10.7554/eLife.54383. PMID: 32896271; PMCID: PMC7478891.

## Buffy Coats

[Quantification of Farnesylated Progerin in Hutchinson-Gilford Progeria Patient Cells by Mass Spectrometry](#)

Camafeita E, Jorge I, Rivera-Torres J, Andrés V, Vázquez J. *Int J Mol Sci*. 2022;23(19):11733. Published 2022 Oct 3. doi:10.3390/ijms231911733