

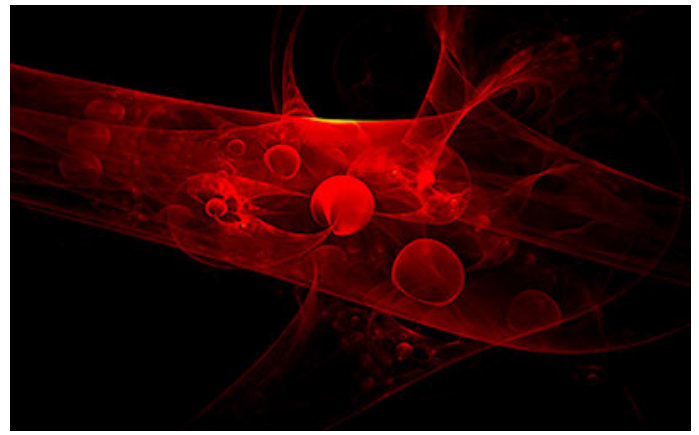
Dipartimento di Biotecnologie e Bioscienze – UNIMIB

Thursday, October 26, 2023, 4:30 p.m., Atlas building (ex U1), room U1-04 / Webex

Rejuvenated blood stem cells extend lifespan of aged mice

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Abstract: One goal of regenerative medicine is to rejuvenate tissues and extend lifespan by restoring the function of endogenous aged stem cells. However, evidence that somatic stem cells can be targeted in vivo to extend lifespan is still lacking.

Recently, we provided proof-of-concept evidence that a short systemic treatment with a specific Cdc42 inhibitor (CASIN) rejuvenates aged blood stem cells in vivo, exerting a broad systemic effect sufficient to extend murine health and lifespan.

Overall, our data supports that increasing the regenerative potential of endogenous aged somatic stem cells represents an important strategy for rejuvenating tissues and improving health- and lifespan in the elderly.

Host: **Antonella Ronchi**

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