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 State Research Institute of Genetics and Selection of Industrial Microorganisms, Moscow (Russia);
- Moscow (Russia);

 Koltsov Institute of Developmental
 Biology RAS, Moscow (Russia);

 Department of General Thoracic and
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 Biotransplantation, University Hospital
- Careggi in Florence (Italy);

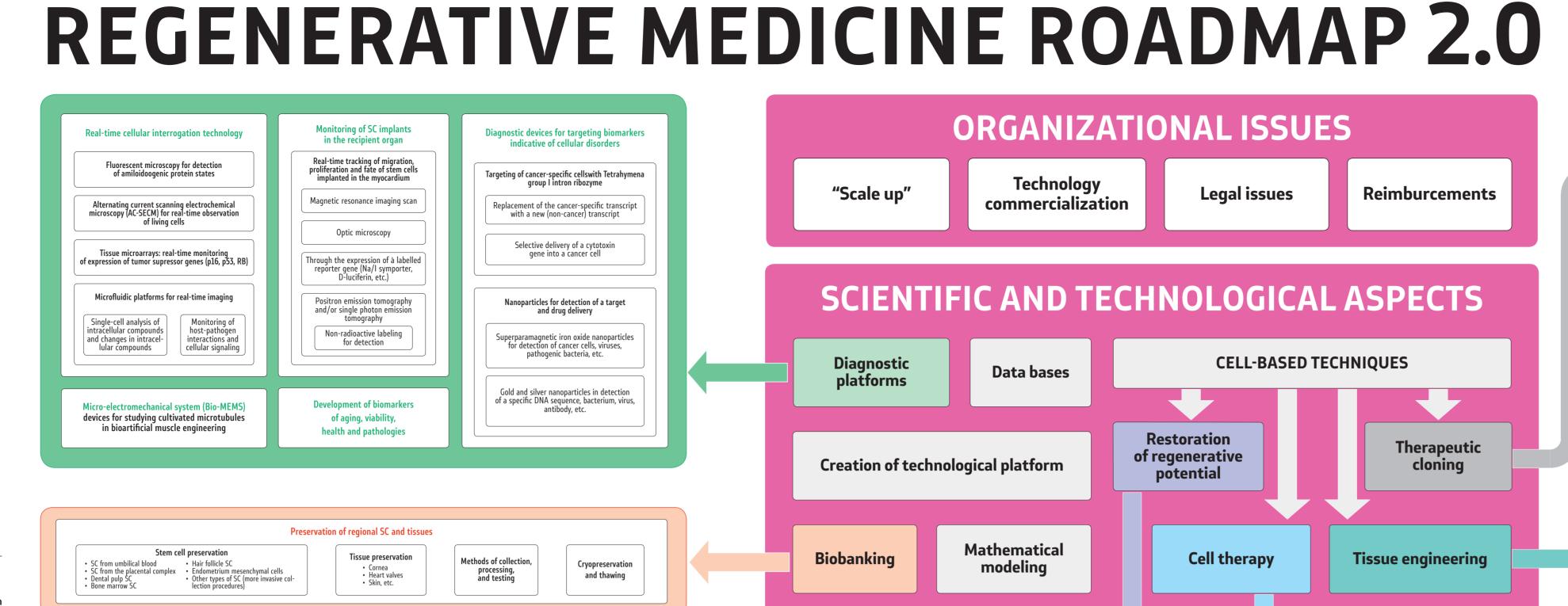
 5 I.M. Sechenov Moscow Medical Academy
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 Federal Centre for Animal Health,

Vladimir (Russia);

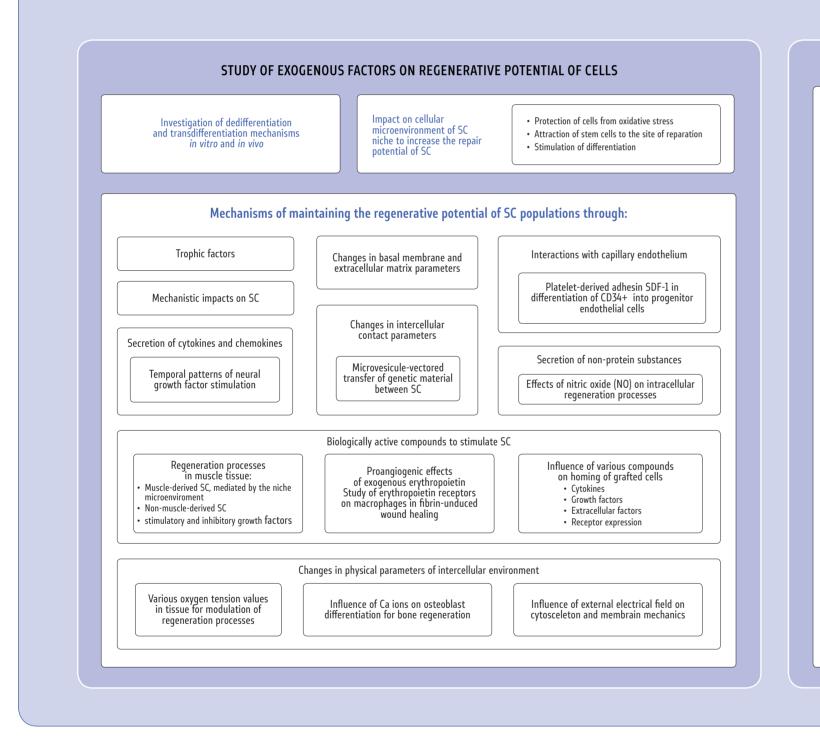
 8 Institute of clinical pharmacology Robert Bosch Stiftung, Stuttgart (Germany);
 9 Institute of Cell Biophysics RAS, Moscow (Russia);
 10 Institute of Gene Biology RAS, Moscow

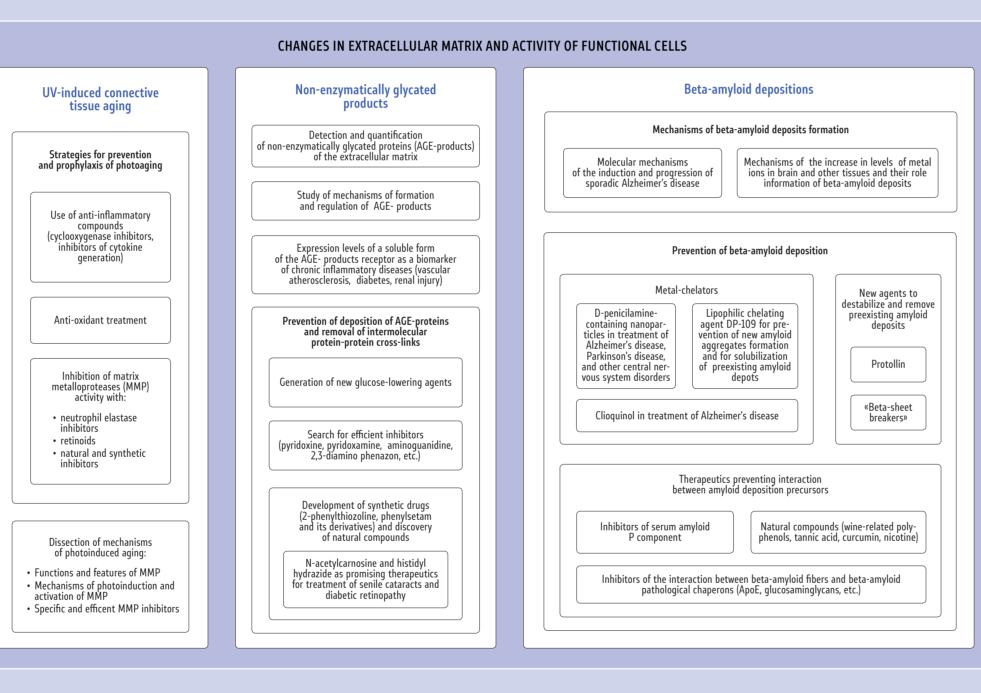
Science for Life Extension Foundation

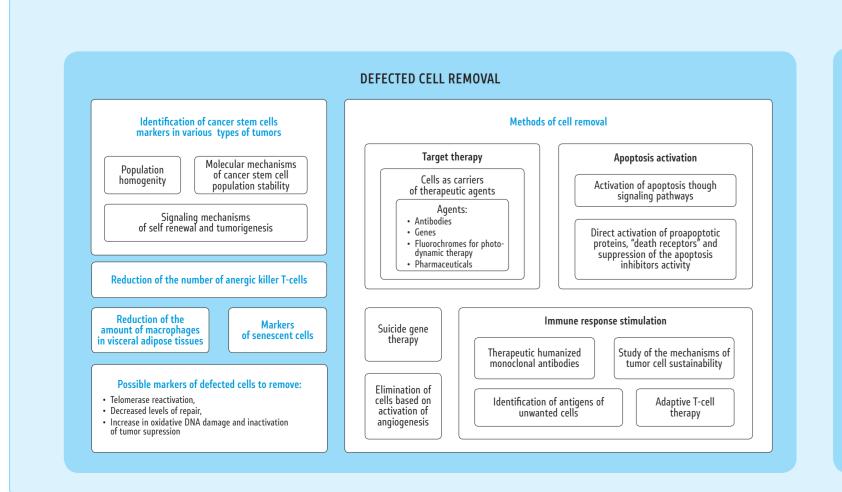
longevity.foundation@gmail.com www.scienceagainstaging.com

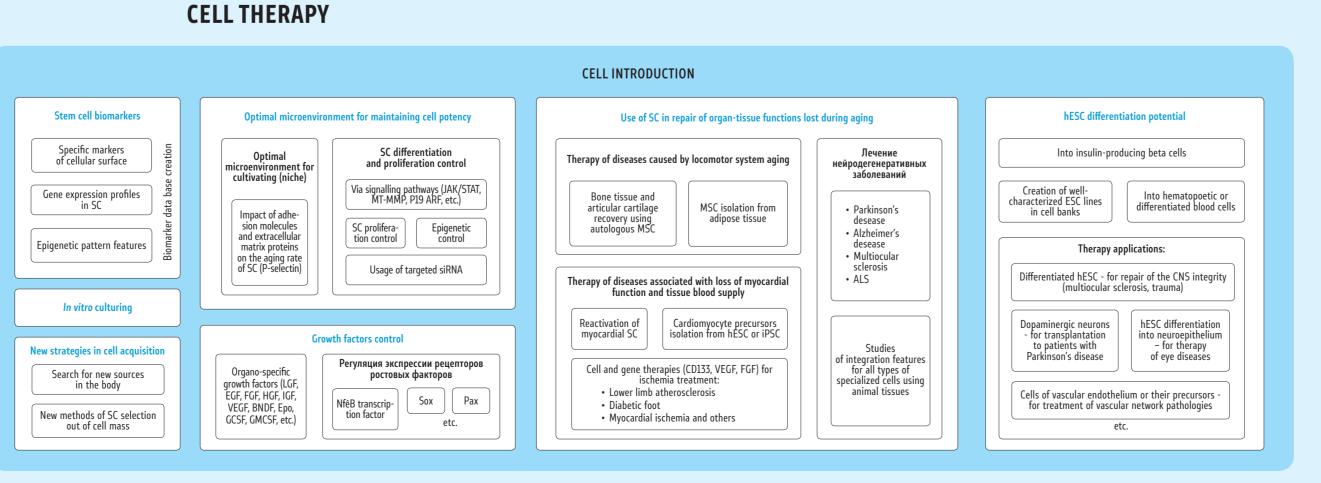


RESTORATION OF REGENERATIVE CAPACITY









GENETIC AND EPIGENETIC LEVEL

Regulation of transcription in tissue

egeneration, also covalent modification

of DNA and topological chromosome

of gene expression

Genes governing regeneration of SC

Notch signaling

Directing proliferation (e.g.,Plzf)

IGF gene family encoding insulin-like

growth factors

Hox gene family

encoding transcription factors

Encoding MAP kinases

Responsible for cytoskeleton structure

(e.g. lamin A)

STAT gene family encoding

ð53/ð21 gene axis

transcription activators

reorganization for selective manipulation

