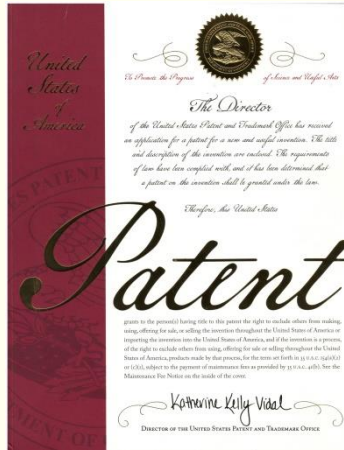


राष्ट्रीय कोशिका विज्ञान केंद्र National Centre for Cell Science



US Patent Granted

‘Therapeutic Intervention for Osteoporosis’

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(54) THERAPEUTIC INTERVENTION FOR OSTEOPOROSIS	(52) U.S. CL. CPC A61K 38/202 (2013.01); A61P 19/08 (2018.01); G01N 33/5041 (2013.01); G01N 33/6869 (2013.01); G01N 33/6893 (2013.01); G01N 2333/525 (2013.01); G01N 2333/5403 (2013.01); G01N 2800/10 (2013.01); G01N 2800/108 (2013.01); G01N 2800/50 (2013.01)
(71) Applicant: NATIONAL CENTRE FOR CELL SCIENCE, Pune (IN)	(58) Field of Classification Search CPC A61K 38/202; G01N 33/5041; G01N 2333/5403; G01N 2800/108 See application file for complete search history.
(72) Inventors: Kanupriya Singh, Pune (IN); Mohan Ramchandra Wani, Pune (IN)	(56) References Cited U.S. PATENT DOCUMENTS 6,384,194 B1 * 5/2002 Dorssers C07K 14/5403 424/85.2 6,861,257 B1 3/2005 Maeda et al. 2016/0176927 A1 * 6/2016 Chung A61P 19/10 514/16.9
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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.	(57) ABSTRACT The present invention discloses a novel therapeutic intervention for osteoporosis. The present invention discloses that Interleukin-3 (IL-3) can be utilized as a therapeutic intervention against osteoporosis and for regulating bone homeostasis. The present invention also provides a method for determining the pre-disposition of a subject for osteoporosis by measuring the RANKL/OPG level.
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(30) Foreign Application Priority Data Dec. 3, 2017 (IN) 201721041260	
(51) Int. CL. A61K 38/20 (2006.01) A61P 19/08 (2006.01) G01N 33/68 (2006.01) G01N 33/50 (2006.01)	