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PATENT ASSIGNMENT COVER SHEET

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UNIVERSITY OF PENNSYLVANIA	12/19/2018

RECEIVING PARTY DATA

Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	09464344

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PATENT 505246808 REEL: 047968 FRAME: 0741

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Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). Invention Title: Use of Retinoid Receptor Antagonists or Agonists in the Treatment of Cartilage and Bone Pathologies Inventor(s): Maurizio Pacifici, ROSHANTHA CHANDRARATNA U.S. Filing/Issue Date: 12/15/1999 Patent or Application Serial No.: 09/464,344 Grant/Contract Number(s): AR040833 Foreign Applications filed/intended in (countries): TAIWAN The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of: 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application. Signed this By Kathryn Donohue (Institutional Business Official) Title Director, Legal Affairs For UNIVERSITY OF PENNSYLVANIA (Grantee/Contractor Organization) At 3160 Chestnut Street Suite 200 Philadelphia, PA 19104 (Business Address)

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