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WISCONSIN ALUMNI RESEARCH FOUNDATION

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September 17, 1973

263-2831

Mr. Norman J. Latker
Chief, Patent Branch
Office of the Secretary
Department of Health, Education,
and Welfare
Washington, D. C. 20201

Dear Mr. Latker:

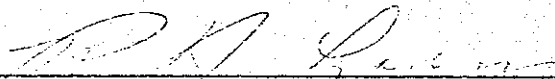
Re: Institutional Agreement
University of Wisconsin-Department
of Health, Education, and Welfare

This letter and the attachment will comprise the annual report required under the terms and provisions of the above noted agreement for the period from July 1, 1972 through June 30, 1973. Reported are new inventions which have been brought to the Foundation and reported to the Department during the indicated period as well as information regarding inventions for which the Foundation was given responsibility under the Institutional Agreement. You will find pertinent information regarding these inventions in the attached table.

Very truly yours,

UNIVERSITY OF WISCONSIN

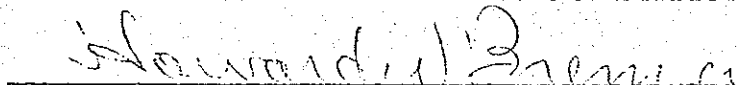
By



Reuben H. Lorenz, Vice President and Controller

WISCONSIN ALUMNI RESEARCH FOUNDATION

By



Howard W. Bremer, Patent Counsel

HWB:rw
Enc.

UNIVERSITY OF WISCONSIN-WARF
 INSTITUTIONAL AGREEMENT INVENTION REPORT
 July 1, 1972-June 30, 1973

<u>Invention & Grant No.</u>	<u>Inventor</u>	<u>Invention Reported to DHEW</u>	<u>Serial No. Filing Date</u>	<u>Development and Commercial Use</u>	<u>WARF Expenditures (Approx. Estimate)</u>
Cytokinin Antagonist to Plant Growth in Hormone NIH Grant GM 12395	Bock, R. M. Hecht, S. M. Skoog, F. K. Schmitz, R. Y.	11/18/71	285,677 9/1/72	Contact with industry awaiting outcome of additional investigation by inventors.	\$1,400
Ion Filtration Chromatography for Enzyme Purification NIH Grant GM 12395	Bock, R. M. Kirkegaard, L. Johnson, T. J.	10/20/72	No pat. app. filed	Dedicated to public; DHEW determination dated 4/28/73	
Biological Synthesis of L- Δ^1 -pyrroline-5-carboxylic acid PHS Grant AM 12153	Brill, W. J.	1/28/72	No pat. app. filed	Rights to U. S. Gov.; DHEW determination dated 10/17/72	
24, 25-Dihydroxy-cholecalciferol NIH Grant Nos. AM 14881 AM 15512	DeLuca, H. F.	7/6/72	250,661 5/5/72; Pat. No. 3715374 issued 2/6/73	Included in recent license to Upjohn Co. Compound will be screened for potential application.	\$1,025 3,000 (apportioned expense)

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25,25-Dihydroxy-cholecalciferol NIH Grant AMO5800-8	DeLuca, H. F.	11/16/71	191,842 10/22/71; Pat. No. 3739001 issued 6/12/73	Included in recent license to Upjohn Co. Compound will be screened for potential application.	\$ 835 \$3,000 (apportioned expense)
5,6-Trans-25-Hydroxycholecalciferol NIH Grant AM 15512	DeLuca, H. F. Holick, M. F. Garabedian, M.	2/11/72	226,183 2/14/72; Pat. No. 3743661 issued 7/3/73	Included in recent license to Upjohn Co. Compound will be screened for potential application.	\$ 835 \$3,000 (apportioned expense)
1,25-Dihydroxy-cholecalciferol NIH Grant AMO5800-10	DeLuca, H. F. Schnoes, H. K. Holick, M. F.	4/8/71	118,881 2/25/71; Pat. No. 3697559 issued 10/10/72	Included in recent license to Upjohn Co. Compound will be screened for potential application. Other commercial interests exploring licensing.	\$4,300 \$3,000 (apportioned expense)
1 α -Hydroxy-cholecalciferol NIH Grant AM 15512	DeLuca, H. F. Schnoes, H. K. Holick, M. F. Semmler, E. J.	12/2/71	204,305 12/2/71; Pat. No. 3741996 issued 6/26/73	Included in recent license to Upjohn Co. Compound will be screened for potential application. Other commercial interests exploring licensing.	\$5,950 \$3,000 (apportioned expense)

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1, 24, 25-Trihydroxy-cholecalciferol NIH Grants AM 14881 AM 15512	DeLuca, H. F.	7/17/73	379,621 7/16/73	Included in recent license to Upjohn Co. Compound will be screened for potential application.	\$ 800 \$3,000 (apportioned expense)
Electromagnetic Flowmeters for Blood or Other Conductive Fluids NIH Grant HE-07754	Folts, J. F.	4/29/71	113,542 2/8/71; Pat. No. 3739640 issued 6/19/73	Industrial interests reviewing possible applications.	\$1,550
The Preparation and Use of Europium and Praseodymium Chelates Predoctoral Fellow FO-1-GM-41571	Goering, H. L. Eikenberry, J. Koermer, G.	9/10/71	195,429 11/3/71	Licensed to Regis Chemical Co. Other licenses imminent.	\$4780
Television Surveillance and Monitoring Systems NIH Grant 2-RO1-N5-07242-03	Kelsey, C. A.	4/27/72	192,039 10/26/71; App. aband. 3/19/73	(Notified DHEW of abandonment 3/20/73; DHEW agreed with decision.)	\$3,150

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A Three-Dimensional, Fast-Coincidence Gamma Imaging System DHEW Grant 5-EO3-PE-00196-07	Nickless R. J. Meyer, H. O.	4/3/73	No pat. app. filed to date	Commercial interest expressed in general concept. Evaluation will be obtained after pat. app. is filed.	\$ 300
Multiple Specimen Table with Liquid Nitrogen Tank NIH Grant RR00167	Paik, S.	5/2/72	No pat. app. to be filed. DHEW notified of decision 7/7/72		\$ 300
Antibiotic Production by Mycoplasma Species NIH Grant AI 9320-02	Perlman, D.	11/18/71	No pat. app. filed to date	Compound identification incomplete.	\$ 500
Method for Increasing Drug Availability in Combination with Highly Protein Bound Salts PHS Grant FR-5456	Perrin, J. H.	8/8/69	93,473 11/27/70	Pat. app. assigned to DHEW 9/8/72	\$1,300

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Chillproofing Beer with Insolubilized Enzymes Grant No. 1-RO1-00123-01	Richardson, T.	7/15/70	39,881 5/22/70; App. aband. 12/6/72	(Notified DHEW of decision to abandon 10/6/72; DHEW replied to allow abandonment - 11/8/72)	\$3,250
Process for Preparing L-dopa (thru microbiological means) Grant Nos. 5-RO1-AM-04874-09 5-TO1-AM-09688-05 5-SO1-FR-05456-07	Sih, C.J.	9/25/69	862,061 9/29/69; Pat. No. 3671397 issued 6/20/72	No commercial interest.	\$4,000
Prostaglandins and Method for Preparing Same NIH Grant Nos. A955 & B738	Sih, C.J.	1/28/72	221,058 1/26/72	Licenses issued to Miles Labs., Alza Corp., Johnson & Johnson, Teijin (Japan). Other inquiries outstanding.	Gross out-of-pocket expense for Sih inventions - \$43,000

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3-Substituted Iodo Alkenyl Compounds NIH Grant AM04874	Sih, C. J.	5/19/72	255,728 5/22/72; abandoned 5/19/73 in favor of c-i-p case SN 293442		Gross out-of-pocket expense for Sih inventions - \$43,000
3-Substituted Iodo Alkenyl Compounds NIH Grant AM04874	Sih, C. J.	9/29/72	293,442 9/29/72; c-i-p of SN 255728	Licenses issued to Miles Labs., Alza Corp., Johnson & Johnson, Teijin (Japan). Other inquiries outstand- ing.	
Method for Prepar- ing 2-Substituted- 4-Hydroxy- Cyclopentane- 1,3-Diones NIH Grant Nos. AM-9688 AM-4874	Sih, C. J.	9/29/72	293,457 9/29/72	Licenses issued to Miles Labs., Alza Corp., Johnson & Johnson, Teijin (Japan). Other inquiries outstand- ing.	

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Process for Stereospecifically Preparing Chiral-2-Substituted-4-Hydroxy-2-Cyclopenten-1-One NIH Grant AM-4874	Sih, C.J. Heather, J.B.	9/29/72	309,766 11/27/72	Licenses issued to Miles Labs., Alza Corp., Johnson & Johnson, Teijin (Japan). Other inquiries outstanding.	Gross out-of-pocket expense for Sih inventions - \$43,000
Method & Apparatus for Dialysis NIH Grant GM-16133	Updike, S.J.	3/27/73	191,720 10/22/71	Commercial interest evaluating invention.	
Method & Apparatus for Dialyzing Carbon Dioxide from Blood Plasma NIH Grant GM-16133	Updike, S.J.	3/27/73	295,264 10/5/72; c-i-p of SN 191720	Commercial interests evaluating invention.	\$1,750
Reagent for Immunological Determinations NIH Grant Nos. HE-09922 GM-16133 K3-HE-18184	Updike, S.J. Goodfriend, T.	4/29/70	33,098 4/29/70	License issued to Squibb (non-exclusive).	\$4,115