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WISCONSIN ALUMNI RESEARCH FOUNDATION

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August 28, 1974

263-2831

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

Dear Mr. Latker:

Re: Institutional Patent 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, 1973 through June 30, 1974. 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 previously given responsibility under the Institutional Patent Agreement. You will find pertinent information regarding all of 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

RHL:HWB:rw
Enc.

**bc--Prof. Young
Mr. Gentry
Rosten & Woerpel**



DHEW
UNIVERSITY OF WISCONSIN-WARF
INSTITUTIONAL AGREEMENT INVENTION REPORT
July 1, 1973-June 30, 1974

<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 Antagonists 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	Several companies evaluating commer- cial interest.	\$2,500
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	Licensed to Upjohn Co., Roussel Uclaf (France), Leo (Denmark); other licenses imminent.	\$1,025 + 3,500 (apportioned expense)
25,26-Dihydroxy- cholecalciferol NIH Grant No. AMO5800-08	DeLuca, H. F.	11/16/71	191,842 10/22/71; Pat. No. 3739001 issued 6/12/73	Licensed to Upjohn Co., Roussel Uclaf (France); Leo (Denmark); other licenses imminent.	\$ 835 + 3,500 (apportioned expense)
1,24,25-Trihydroxy- cholecalciferol NIH Grant Nos. AM 14881 AM 15512	DeLuca, H. F.	7/17/73	379,621 7/16/73	Licensed to Upjohn Co., Roussel Uclaf (France), Leo (Denmark); other licenses imminent.	\$1,500 + 3,500 (apportioned expense)

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5,6-Trans-25-Hydroxycholecalciferol NIH Grant No. AM 15512	DeLuca, H. F.	7/11/72	226,183 2/14/72; Pat. No. 3743661 issued 7/3/73	Licensed to Upjohn Co., Roussel Uclaf (France), Leo (Denmark); other licenses imminent. (One company shows particular interest in compound.)	\$1,000 + 3,500 (apportioned expense)
1,25-Dihydroxy-ergocalciferol NIH Grant Nos. 5-PO1-AM-15512 5-PO1-AM-14881	DeLuca, H. F. Jones, G. Schnoes, H. K.	6/13/74	472,953 5/24/74	Licensed to Upjohn Co., Roussel Uclaf (France), Leo (Denmark); other licenses imminent.	\$1,500 + 3,500 (apportioned expense)
Method of Treating Milk Fever in Dairy Cattle with 1 α -Hydroxycholecalciferol NIH Grant Nos. 5-PO1-AM-15512 5-PO1-AM-14881	DeLuca, H. F. Jorgensen, N. A.	6/13/74	435,099 1/21/74	Licensed to Upjohn Co., Roussel Uclaf (France), Leo (Denmark); other licenses imminent.	\$1,000 + 3,500 (apportioned expense)
1,25-Dihydroxy-cholecalciferol NIH Grant No. AMO 5800-10	DeLuca, H. F. Schnoes, H. K. Holick, M. F.	4/8/71	118,881 2/25/71; Pat. No. 3697559 issued 10/10/72	Licensed to Upjohn Co., Roussel Uclaf (France), Leo (Denmark); other licenses imminent.	\$5,500 + 3,500 (apportioned expense)

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1 α -Hydroxycholecalciferol NIH Grant No. 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	Licensed to Upjohn Co., Roussel Uclaf (France), Leo (Denmark); other licenses imminent. (Several companies show particular interest in this compound.)	\$8,000 + 3,500 (apportioned expense)
1 α -Hydroxy-ergocalciferol NIH Grant No. AM 14881	DeLuca, H. F. Schnoes, H. K. Lam, H. Y.	With this report	479,224 6/14/74	Licensed to Upjohn Co., Roussel Uclaf (France), Leo (Denmark); other licenses imminent.	\$1,200 + 3,500 (apportioned expense)
3-Deoxy-1 α -Hydroxycholecalciferol NIH Grant No. AM 14881	DeLuca, H. F. Schnoes, H. K. Lam, H. Y.	With this report	480,211 6/17/74	Licensed to Upjohn Co., Roussel Uclaf (France), Leo Denmark; other licenses imminent.	\$1,000 + 3,500 (apportioned expense)
Electromagnetic Flowmeters for Blood or Other Conductive Fluids NIH Grant No. HE-07754	Folts, J. D.	4/29/71	113,542 2/8/71; Pat. No. 3739640 issued 6/19/73	Potential licensees evaluating commercial interests.	\$1,700

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The Preparation and Use of Europium and Praseodymium Chelates of 3-Tri-Fluoroacetyl D-Camphor and 3-Perfluoro-n-butyryl D-Camphor Predoctoral Fellow FO-1-GM-41571	Goering, H. L. Eikenberry, J. N. Koermer, G. S.	9/10/71	195,429 11/3/71; Pat. No. 3789060 issued 1/29/74	Licensed to Regis Chemical Co. and Willow Brook Labs. (Compounds being marketed.)	\$7,500
Fluorinated Camphor Derivatives and Europium and Praseodymium Chelates Thereof Predoctoral Fellow FO-1-GM-41571	Goering, H. L. Eikenberry, J. N. Koermer, G. S.	5/23/74	375,614 7/2/73 (Div. of SN 195429)		
Compensation of Patient Thickness Variations and Differential X-ray Transmission Imaging NIH Fellowship Nos. 5-TO1-CA-05104-10 5-TO1-CA-05104-11	Mistretta, C. A. Kelcz, F.	1/15/74	423,115 12/10/73	Negotiation with potential licensees in progress.	\$2,500

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A Three-Dimensional Fast-Coincidence Gamma Imaging System DHEW Grant No. 5-EO3-PE-00196-07	Nickles, 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.	\$ 500
Regulation of Insect Reproduction and/or Development NIH Grant No. 1-PO6-RR-WO779-01	Norris, D. M. Bridges, J. R.	7/3/74	No pat. app. filed to date	Patentability evaluation in progress.	\$ 300
Antibiotic Production by Mycoplasma Species NIH Grant No. AI 9320-02	Perlman, D.	11/18/71	No pat. app. to be filed	DHEW notified of decision not to file pat. app. on 3/20/74.	\$ 350
Immobilization of Macromolecules on Tissue NIH Grant No. 5-SO5-RR-07098(07)	Richardson, T.	1/4/74	472,588 5/23/74	Commercial interest being sought - no response to date.	\$1,500

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Process for Preparing L-dopa (thru microbiological means) NIH Grant Nos. 5-R01-AM-04874-09 5-T01-AM-09688-05 5-S01-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
Process for Preparing dl-Strigol NIH Grant No. 2-R01-AM-4874-12	Sih, C.J.	3/11/74	450,950 3/13/74	Commercial interest being sought.	\$1,500
Prostaglandins and Methods for Preparing Same NIH Grant Nos. A955 & B738	Sih, C.J.	1/28/72	221,058 1/26/72	Licensed to Miles Labs., Alza Corp., Johnson & Johnson & Teijin (Japan). Evaluation for commercial application proceeding.	Gross-out-of-pocket expense for Sih inventions - \$65,000
3-Substituted Iodo Alkenyl Compounds NIH Grant No. AM04874	Sih, C.J.	9/29/72	293,442 9/29/72	Licensed to Miles Labs., Alza Corp., Johnson & Johnson & Teijin (Japan). Evaluation for commercial application proceeding.	

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Method for Preparing 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	Licensed to Miles Labs, Alza Corp., Johnson & Johnson & Teijin (Japan). Evaluation for commercial application proceeding.	Gross out-of-pocket expense for Sih inventions - \$65,000
Processes for Stereospecifically Preparing-Chiral-2-Substituted-4-Hydroxy-2-Cyclopenten-1-One NIH Grant No. AM 4874	Sih, C. J. Heather, J. B.	9/29/72	309,766 11/27/72; aband. in favor of c-i-p case SN 478713		
Processes for Stereospecifically Preparing-Chiral-2-Substituted-4-Hydroxy-2-Cyclopenten-1-One NIH Grant No. AM 4874	Sih, C. J. Heather, J. B.	9/29/72	478,713 6/13/74; c-i-p of SN 309766	Licensed to Miles Labs., Alza Corp., Johnson & Johnson & Teijin (Japan). Evaluation for commercial application proceeding.	

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Automated Electro Optometric Target Display System DHEW Grant No. MH 30574	Smith, K. U. Coleman, P. J.	10/16/73	No pat. app. to be filed	DHEW notified of decision not to file pat. app. 5/8/74	\$ 300
Rodenticide NIH Grant No. P-01-AM-14881	Suttie, J. W.	5/23/74	359,632 5/14/73	Called to attention of commercial interests - compound presents stability problems.	\$3,000

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Method and Apparatus for Dialysis NIH Grant No. GM-16133	Updike, S. J.	3/27/73	191,720 10/22/71	Commercial interests evaluating inventions.	\$6,500
Method and Apparatus for Dialyzing Carbon Dioxide from Blood Plasma NIH Grant No. GM-16133	Updike, S. J.	3/27/73	295,264 10/5/72; c-i-p of SN 191,720		
Catalyst Containing Semi-Permeable Membrane for Respiratory Gas Exchange by Dialysis NIH Grant No. GM-16133	Updike, S. J.	5/15/74	434,231 1/17/74; c-i-p of SN 191,720		

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Device and Method for Sample Application by Water Regain of a Gel NIH Grant Nos. GM-16133 GM-70157	Updike, S.J.	1/4/74	356,092 5/1/73	Licensed to Squibb, Union Carbide, and Ames Labs - investigation and evaluation leading to commercial application in progress.	\$12,500
Method for Immunological Determinations NIH Grants Nos. GM-16133 GM-70157	Updike, S.J.	5/15/74	437,135 1/28/74; c-i-p of SN 356092		
The Preparation of Dry, Porous Gel Particles Having High Water Regain for Liquid Sampling NIH Grant Nos. GM-16133 GM-70157	Updike, S.J.	1/4/74	356,093 5/1/73		
Reagent for Immunological Determinations NIH Grants He-09922 GM-16133 K3-HE-18184	Updike, S.J. Goodfriend, T.	4/29/70	33098 4/29/70; Pat. No. 3793445 issued 2/19/74		

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INVENTIONS ON WHICH DHEW WAIVED RIGHTS TO
NATIONAL SCIENCE FOUNDATION

Sensitization of Radiothermo- luminescence in Dosimetry Grade LiF by Simultaneous Annealing and Ultra- violet Illumination NIH Grant 5-T01-CA05104-11 NSF Grant 74-52-GH34585	Mayhugh, M. R. Fullerton, G. D.	2/22/74	Pat. app. being filed	Preliminary contacts with commercial interests have been made.	\$ 500
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JOINTLY REPORTED INVENTION
DHEW INSTITUTIONAL PATENT AGREEMENT
AND
NSF INSTITUTIONAL PATENT AGREEMENT

The Production of Radiation Induced Thermally Activated Current (RITAC) Devices by Selective Purification of Dielectric Solid Material NIH Grant 5-T01-CA-05104- 10 & 11 NSF Grant GH-34585	Moran, P. R. Podgorsak, E. Fullerton, G. Fuller, G. E.	3/18/74	Pat. app. being filed	Interest has been expressed by one company - meeting has been scheduled with view to possible license.	\$ 750
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