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Experienced U.S. Board Certified Pediatric Hematologist-Oncologist, cancer drug developer, biopharmaceutical founder and executive with a proven track record in translational biomedical research, patient care and cancer drug development, from Phase I-IV NIH-FDA and Industry-sponsored clinical trials.

A. PROFESSIONAL EXPERIENCE

Hematologist-Oncologist 2015-present
**Sarcoma Oncology Center/
Cancer Center of Southern California
2811 Wilshire Blvd., Suite 414
Santa Monica CA 90403**

In June, 2015, Dr. Gordon joined the medical staff at the Sarcoma Oncology Center/Cancer Center of Southern California in Santa Monica CA, a privately held medical group engaged in State-of-the-Art medical care as well as Industry-sponsored and Investigator-initiated Phase I-IV clinical trials for solid tumors and hematologic malignancies. At this institution, Dr. Gordon serves as **Director of Biological and Immunological Therapies and Chairman of the Institutional Biosafety Committee** that oversees gene therapy clinical trials for cancer.

Aveni Medical Clinic, Sole Proprietor
1900 Garden Road, Suite 130
Monterey CA 93940 2014-2015

Following her retirement from the USC Keck School of Medicine/Childrens Hospital Los Angeles, Dr. Gordon established a private medical practice in Monterey CA focusing on targeted medicines and personalized treatments for cancer and blood disorders.

Founder, Managing Partner, Chief Operating Officer
Counterpoint Biomedica LLC
33 Deer Forest Drive
Monterey CA 93940 2014-present

In June, 2014, Dr. Gordon, together with Drs. Frederick L. Hall and Sant P. Chawla, founded Counterpoint Biomedica LLC (www.counterpointbiomedica.com), an early stage biotech company whose mission is to improve cancer drug delivery via a proven tumor-targeting platform invented and reduced to practice at USC by Hall and Gordon. The company is currently in preclinical stage of drug development (animal studies) in collaboration with Anticancer Inc., San Diego CA.

**University of Southern California
Keck School of Medicine
Los Angeles CA 90089
Associate Professor of Pediatrics, Tenured**

1989-2013

During her tenure, Dr. Gordon held several key positions over the past 23 years, as **Medical Director of the Norris Comprehensive Cancer Center Vector Production Unit, Director of Molecular Therapeutics at the USC Gene Therapy Laboratories, and Director of the Comprehensive Hemophilia Center and Red Cell Defects Program at Childrens Hospital Los Angeles/USC.** Dr. Gordon is recognized for her original research and extensive publication history in the field of gene therapy and targeted genetic medicine. She was recipient of a **Research Career Development Award from the NIH**, and has extensive experience in Phase I through Phase IV NIH (**Pediatric Oncology Group**)- and industry-sponsored clinical trials for cancer and hemophilia.

Dr. Gordon, together with Dr. Frederick L. Hall (Associate Professor of Surgery and Molecular Pharmacology/Toxicology), **raised over \$7 million in academic research funding** needed to fully-develop the core biotechnologies of in vivo targeted gene delivery, represented by Rexin-G (the first, and so far only, tumor-targeted gene therapy vector and Reximmune-C, a tumor-targeted gene therapy vaccine for in situ autoimmunization.

**Childrens Hospital Los Angeles
4650 Sunset Blvd., Los Angeles CA 90027**

1989-2013

Attending Physician in the Division of Hematology/Oncology with clinical responsibilities for the hematology and oncology patients, and patients undergoing bone marrow transplantation.

Director, Red Cell Defects Program (Hemoglobinopathy Clinic)
Scientific Director, The Hemophilia Comprehensive Care Center

**Epeius Biotechnologies Corporation
Founder & Chairman of the Board
Chief Operating Officer, Chief Medical Officer**

2002- 2011

As Chief Medical Officer of Epeius, Dr. Gordon served as the Gene Therapy Sponsor Representative and FDA liaison for completed Phase I/II, Phase II and planned Phase II and pivotal Phase II/III trials in the USA for pancreatic cancer, osteosarcoma, soft tissue sarcoma and breast cancer. During her term, Rexin-G gained Fast Track status for pancreatic cancer in 2009, and Orphan Drug designation for pancreatic cancer in 2003, and osteosarcoma and soft tissue sarcoma in 2008. Dr. Gordon was also the medical liaison for the Philippine FDA where Rexin-G gained accelerated approval and product registration for all solid tumors refractory to standard chemotherapy in 2007.

Under the leadership of Dr. Gordon and her co-founder Dr. Frederick L. Hall, Epeius Biotechnologies raised \$65 million in investment capital with which they successfully guided the transition of Epeius Biotechnologies from an academic startup to a free standing, revenue-generating biopharmaceutical company. Leading the field of genetic medicine forward, Dr. Gordon and Dr. Hall have developed an extensive intellectual property portfolio (154 patents/patent applications) on targeted gene delivery for cancer and other proliferative disorders. Dr. Gordon has overseen the testing and validation of the company's lead product, Rexin-G, in formal Phase I through Phase II clinical trials, and has established the emergent field of Pathotropic (or disease-seeking) Medicine. The company was acquired by its major investors in November, 2010.

Case Western Reserve University School of Medicine 1980-1989
Associate Professor of Pediatrics
University Hospitals of Cleveland
/Rainbow Babies & Childrens Hospital

Medical Director, The Hemophilia Comprehensive Care Center
Member and Attending Physician, Childrens Cancer Study Group
Member, Bone Marrow Transplantation Program
NIH New Investigator Award, 1984-1987
NIH Research Career Investigator Award, 1987-1992
American Heart Association Awards, 1984-89
Investigator-initiated Studies in Hemophilia and AIDS patients, Baxter Healthcare Corp.

B. EDUCATION

Doctor of Medicine & Surgery	University of Santo Tomas, Manila Philippines, M.D., 1971
Internship	St. Alexis Hospital, Cleveland OH, July 1972-June 1973, Rotating Intern
Residencies	Mount Sinai Medical Center, Cleveland OH, July 1973-June 1974, Pathology Mount Sinai Medical Center, Cleveland OH, July

1974-June 1976, Pediatrics

Fellowship

Post-doctoral Fellow, 1976-80, Case Western Reserve University, Rainbow Babies and Childrens Hospital, Cleveland OH, Pediatric Hematology-Oncology

Honors and Awards

M.D. Cum Laude, University of Santo Tomas, Manila, Philippines, 1971
Research Career Development Award, National Institutes of Health, 1985-90
New Investigator Research Award, National Institutes of Health, 1982-85
Grants-in-Aid, American Heart Association, National Center, 1988-91
Grants-in-Aid, American Heart Association, Northeast Ohio Affiliate, 1982, 1984, 1985
Grants-in-Aid, American Heart Association, Greater Los Angeles Affiliate, 1990
Grant-in-Aid, American Heart Association, Western States, 1998-2001
Proclamation and Award from City of Los Angeles Office of the Mayor for Excellence in Biotechnology, 2004
R01 Grant, U.S. Food and Drugs Administration, 2006-2008

C. Licensure

License, State of CA, #A48717, 1990-present
License, State of Ohio, #43408, 1979;
DEA #AG9096480

D. Diplomate

American Board of Pediatrics, 1989
American Board of Pediatric Hematology-Oncology, 1992; Recertification, 1999, 2008, 2014

E. PROFESSIONAL SERVICE

Editor-in-Chief, International Journal of Pediatric Hematology Oncology, Gordon and Breach Publishing Co., London UK, 1995-2001

Journal Reviewer, Journal of Laboratory and Clinical Medicine; Blood; Annals of Internal Medicine; American Journal of Obstetrics and Gynecology; American Journal of Hematology; Proceedings National Academy of Science; American Journal of Pediatric Hematology- Oncology; Human Gene Therapy
Grant Reviewer, American Heart Association, March of Dimes

F. SOCIETY MEMBERSHIPS

Central Society for Clinical Research, 1988-90
American Society of Hematology, 1984-
American Heart Association, Northeast Ohio Affiliate, 1984-89
American Heart Association, Greater Los Angeles Affiliate, 1990-95
American Academy for the Advancement of Science, 1984-present
Childrens Cancer Study Group, 1980-1993
World Federation for Hemophilia, 1990-1999
American Society of Clinical Oncology, 2010- present
Connective Tissue Oncology Society, 2010-

G. BIBLIOGRAPHY

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I. Patents and Inventions (Co-Inventor of 154 patents/ patent applications) including:

Biotech/ Biomedical Field	Patent No. (Publication No.)	Filing Date	Issue Date (Pub Date)	Title
Targeted Vector Systems	(US 2004-0253215)	04/21/2004	(12/16/2004)	Methods And Compositions For Treating Metastatic Cancer
	(US 2007-0178066)	11/03/2006	(08/02/2007)	Pathotropic Targeted Gene Delivery System For Cancer And Other Disorders
	(US 2009-0123428)	09/22/2008	(05/14/2009)	Pathotropic Targeted Gene Delivery System For Cancer And Other Disorders
	(US 2010-0016413)	10/05/2009	(01/21/2010)	Pathotropic Targeted Gene Delivery System For Cancer And Other Disorders
	AU 2004232328	04/21/2004	02/05/2009	Methods and Compositions for Treating Disorders
	(AU 2007314300)	11/05/2007	(05/08/2008)	Methods and Compositions for Treating Disorders
	(CA 2,522,359)	04/21/2004	(11/04/2004)	Methods and Compositions for Treating Disorders
	(CA 2,668,285)	11/05/2007	(05/08/2008)	Methods and Compositions for Treating Disorders
	(CN 101495156A)	11/05/2007	(07/15/2009)	Methods and Compositions for Treating Disorders
	(EP 1619951)	04/21/2004	(11/04/2004)	Methods and Compositions For Treating Disorders
	(EP 2077862)	11/05/2007	(05/08/2008)	Methods and Compositions for Treating Disorders
	IL 198492	11/05/2007	02/17/2010	Methods and Compositions for Treating Disorders
	(IN 4431/DELNP/08)	11/05/2007	(05/28/2009)	Methods and Compositions for Treating Disorders
	(JP 2009-112314)	04/21/2004	(03/25/2010)	Methods and Compositions for Treating Disorders
	KR 2008-7025948	11/05/2007	(05/08/2008)	Methods and Compositions for Treating Disorders
	(NZ 576367)	11/05/2007	(05/08/2008)	Methods and Compositions for Treating Disorders
	PH 1-2004-500715	11/05/2007	06/09/2005	Methods and Compositions for Treating Disorders
	US 6,864,082	07/13/2001	03/25/2008	Modified Proteins Which Bind to Extracellular Matrix Components
	US 7,347,998	12/15/2004	(10/02/2008)	Modified Proteins Which Bind to Extracellular Matrix Components
	(US 2008-0241905)	01/18/2008	12/13/2001	Transgene Delivering Retrovirus Targeting Collagen Exposed at Site of Tissue Injury
AU 737727	04/08/1998	03/12/2008	Modified Proteins Which Bind to Extracellular Matrix Components	
(CA 2,285,937)	04/08/1998	(10/15/1998)	Modified Proteins Which Bind to Extracellular Matrix Components	

Biotech/ Biomedical Field	Patent No. (Publication No.)	Filing Date	Issue Date (Pub Date)	Title
	EP 0973538*	04/08/998	(03/12/2008)	Modified Proteins Which Bind to Extracellular Matrix Components * Granted in BE CH DE ES FR GB IT NL
	(EP 2008664)	04/08/1998	(04/21/2008)	Modified Proteins Which Bind to Extracellular Matrix Components
	IL 132087	04/08/1998	03/19/2009	Modified Proteins Which Bind to Extracellular Matrix Components
	(JP 2001/52308)	04/08/1998	(11/20/2001)	Modified Proteins Which Bind to Extracellular Matrix Components
	(JP 2008-31178)	04/08/1998	(02/14/2008)	Modified Proteins Which Bind to Extracellular Matrix Components
	NZ 500006	04/08/1998	(01/10/2001)	Modified Proteins Which Bind to Extracellular Matrix Components
	AU 2004226933	10/27/2000	01/04/1008	Modified Viral Surface Proteins Which Bind to Cells of Tumor Vasculature
	(CA 2,390,081)	10/27/2000	(05/03/2001)	Modified Viral Surface Proteins Which Bind to Cells of Tumor Vasculature
	EP 1224302*	10/27/2000	03/14/2007	Modified Viral Surface Proteins Which Bind to Cells of Tumor Vasculature *Granted in DE FR GB
	EP1854892*	10/27/2000	03/03/2010	Modified Viral Surface Proteins Which Bind to Cells of Tumor Vasculature * Granted in DE FR GB
	(IL 149144)	10/27/2000	(11/10/2002)	Modified Viral Surface Proteins Which Bind to Cells of Tumor Vasculature
	(JP 2003-512074)	10/27/2000	(04/03/2000)	Modified Viral Surface Proteins Which Bind to Cells of Tumor Vasculature
	US 7,078,483	08/19/2002	07/18/2006	Retroviral Vectors Including Modified Envelope Escort Proteins
	AU 2003200255	04/28/1999	01/18/2007	Retroviral Vectors Including Modified Envelope Escort Proteins
	(CA 2,326,407)	04/28/1999	(11/04/1999)	Retroviral Vectors Including Modified Envelope Escort Proteins
	(IL 139016)	04/28/1999	(11/25/2001)	Retroviral Vectors Including Modified Envelope Escort Proteins
	(JP 2002-51438)	04/28/1999	(05/21/2002)	Retroviral Vectors Including Modified Envelope Escort Proteins
	NZ 507,645	04/28/1999	06/25/2004	Retroviral Vectors Including Modified Envelope Escort Proteins
	NZ 532,894	04/28/1999	02/09/2006	Retroviral Vectors Including Modified Envelope Escort Proteins
	US 6,004,798	05/14/1997	12/21/1999	Retroviral Envelopes Having Modified Hypervariable Polyproline Regions
	US 5,723,287	05/03/1995	03/03/1998	Recombinant Viruses Displaying a Nonviral Polypeptide on Their External Surface
	US 6,297,004	02/27/1998	10/02/2001	Recombinant Viruses Displaying a Nonviral Polypeptide on Their External Surface
	US 7,708,986	07/07/2006	05/04/2010	Targeted Vectors for Cancer Immunotherapy

Biotech/ Biomedical Field	Patent No. (Publication No.)	Filing Date	Issue Date (Pub Date)	Title
	US 7,347,998	12/15/2004	03/25,2008	Method of Delivering Therapeutic Agents to Site of Tissue Injury (In Vivo Gene Delivery)
Genes / DNA Constructs	US 6,825,033 AU 2001234025 AU 20052.02730 (CA 2,401,545) EP 1259605*	02/28/2001 03/01/2001 03/01/2001 03/01/2001 03/01/2001	11/30/2004 07/07/2005 07/24/2008 (09/07/2001) 05/16/2007	Mutated Cyclin G1 Protein Mutated Cyclin G1 Protein Mutated Cyclin G1 Protein Mutated Cyclin G1 Protein Mutated Cyclin G1 Protein * Granted in BE CH DE ES FR GB IE IT
	(JP 2003-525607) NZ 521070 US 7,605,142 AU 724439 CA 2,236,482 EP 0858346*	03/01/2001 03/01/2001 10/26/2006 10/31/1996 10/31/1996 10/31/1996	(09/02/2003) 11/11/2004 10/20/2009 01/11/2001 04/24/2007 06/06/2007	Mutated Cyclin G1 Protein Mutated Cyclin G1 Protein Expression of Cyclin G1 in Tumors Expression of Cyclin G1 in Tumors Expression of Cyclin G1 in Tumors Expression of Cyclin G1 in Tumors * Granted in BE CH DE ES FR GB IE IT
	JP 4117367 NZ 538525	10/31/1996 10/31/1996	05/02/2008 11/08/2007	Expression of Cyclin G1 in Tumors Expression of Cyclin G1 in Tumors
Targeting of Growth Factors & Biomolecules	US 6,387,663 US 6,955,898 AU 758483 (CA 2,337,979) EP 1100535* IL 141141 (IL 190793) (JP 2002-521044) NZ 509804	07/31/1998 04/17/2002 07/30/1999 07/30/1999 07/30/1999 07/30/1999 07/30/1999 07/30/1999 07/30/1999	05/14/2002 10/18/2005 03/20/2003 (02/10/2000) 05/12/2010 09/10/2008 (11/03/2008) (07/16/2002) 11/03/2003	Targeting Pharmaceutical Agents to Injured Tissues Targeting Pharmaceutical Agents to Injured Tissues Targeting Pharmaceutical Agents to Injured Tissues Targeting Pharmaceutical Agents to Injured Tissues Targeting Pharmaceutical Agents to Injured Tissues *Granted in CH DE ES FR GB IT Targeting Pharmaceutical Agents to Injured Tissues Targeting Pharmaceutical Agents to Injured Tissues Targeting Pharmaceutical Agents to Injured Tissues Targeting Pharmaceutical Agents to Injured Tissues
Cell & Tissue Engineering / Gene Therapy	US 7,459,541 (US 2009-0093407)	12/10/2003 09/09/2008	12/02/2008 (04/09/2009)	Matrix-Targeted Fusion Polypeptides for Tissue Regeneration and Wound Healing Matrix-Targeted Fusion Polypeptides for Tissue Regeneration and Wound Healing

Biotech/ Biomedical Field	Patent No. (Publication No.)	Filing Date	Issue Date (Pub Date)	Title
	AU 764520	07/21/2000	12/04/2003	Matrix-Targeted Fusion Polypeptides for Tissue Regeneration and Wound Healing
	CA 2,378,925	07/21/2000	04/16/2010	Matrix-Targeted Fusion Polypeptides for Tissue Regeneration and Wound Healing
	EP 1223953*	07/21/2000	02/01/2008	Matrix-Targeted Fusion Polypeptides for Tissue Regeneration and Wound Healing
	(US 2003-0157078)	03/31/2003	(08/21/2003)	* Granted in DE GB Identification of a Pluripotent Pre-Mesenchymal, Pre-Hematopoietic Progenitor Cell
	AU 759643	07/20/2000	07/31/2003	Identification of a Pluripotent Pre-Mesenchymal, Pre-Hematopoietic Progenitor Cell
	(CA 2,379,683)	07/20/2000	(01/25/2001)	Identification of a Pluripotent Pre-Mesenchymal, Pre-Hematopoietic Progenitor Cell
	EP 1200555*	07/20/2000	09/17/2008	Identification of a Pluripotent Pre-Mesenchymal, Pre-Hematopoietic Progenitor Cell
	IL 147722	07/20/2000	04/07/2008	*Granted in DE FR GB Identification of a Pluripotent Pre-Mesenchymal, Pre-Hematopoietic Progenitor Cell
	NZ 516738	07/20/2000	05/10/2004	Identification of a Pluripotent Pre-Mesenchymal, Pre-Hematopoietic Progenitor Cell
	US 5,800,811	06/06/1995	09/01/1998	Artificial Skin Prepared from Collagen Matrix Containing Transforming Growth Factor-Beta Having a Collagen Binding Site
	US 6,063,593	11/12/1996	05/16/2000	TGF-beta Responsive Bone Marrow-Derived Cells to Express a Recombinant Protein
	US 6,277,369	03/17/2000	08/21/2001	Factor IX Delivery Method Using Bone Marrow-Derived Cells
	US 6,410,015	05/11/2000	06/25/2002	Gene Therapy Methods Using Bone Marrow-Derived Cells Expressing Blood Clotting Factors
	US 6,844,191	02/15/2002	01/18/2005	Osteogenic Cell Growth Using a TGF-Beta 1-Von Willebrand's Factor Fusion Protein
	AU 2005200383	11/12/1997	10/11/2007	TGF-beta 1 Responsive Cells from Bone Marrow
	(CA 2,271,734)	11/12/1997	(05/22/1998)	TGF-beta 1 Responsive Cells from Bone Marrow
	EP 946199*	11/12/1997	05/13/2009	TGF-beta 1 Responsive Cells from Bone Marrow
				* Granted in AT BE CH DK ES FI FR GB GR IE IT MC NL PT SE

Biotech/ Biomedical Field	Patent No. (Publication No.)	Filing Date	Issue Date (Pub Date)	Title
	(JP 2001-503989)	11/12/1997	(03/27/2001)	TGF-beta 1 Responsive Cells from Bone Marrow
	(JP-2008-206520)	11/12/1997	(09/11/2008)	TGF-beta 1 Responsive Cells from Bone Marrow
	NZ 335753	11/12/1997	06/06/2001	TGF-beta 1 Responsive Cells from Bone Marrow