

EXHIBIT A

CURRICULUM VITAE
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Eduardo Agustin Padlan

Address: 4006 Simms Drive
Kensington, Maryland 20895 USA
Tel: 00+1-301-933-2660
E-mail: eapadlanmail-2008@yahoo.com, eduardo.padlan@gmail.com

Born: August 31, 1940
Manila, Philippines

Citizenship: USA (Naturalized 1993)

Education:

B.S., major in Physics, University of the Philippines, 1960
Ph.D., Biophysics, Johns Hopkins University, 1968
M.S., Computer Science, Johns Hopkins University, 1984

Occupation: Consultant, Volunteer Teacher

Scientific Interests: Molecular Immunology, Protein Structure & Function

Employment History:

Research:

Laboratory of Molecular Biology, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health [Retired, 2000]: Research Physicist, 1997-2000; Visiting Scientist, 1987-97, 1974-78; Expert, 1983-87; Visiting Associate, 1971-74
Department of Biophysics, Johns Hopkins University: Research Scientist, 1978-83; Research Associate, 1969-71

Teaching:

Adjunct Professor, Marine Science Institute, College of Science, University of the Philippines Diliman, 2002-2013
Adjunct Professor, Institute of Chemistry, College of Arts and Sciences, University of the Philippines Los Baños, 2002-2005
Visiting Professor, Graduate School, University of Santo Tomas, 2003
Visiting Professor, College of Science, University of the Philippines Diliman, 1998, 1999, 2000, 2001, 2002
Affiliate Professor, School of Science and Engineering, Ateneo de Manila University, 2000-2001, 2001-2002
Adjunct Professor, Department of Biochemistry and Molecular Biology, Medical University of South Carolina, 1992
Faculty, Foundation for Advanced Education in the Sciences, National Institutes of Health, 1984-97

Faculty, Department of Physics, College of Arts and Sciences, University of the Philippines Diliman: Assistant Professor, 1968-69; Instructor, 1961-63; Assistant Instructor, 1960-61

Other:

Student Assistant, College of Arts and Sciences, University of the Philippines, 1959-60

Other Professional Activities:

Editor, ImmunoMethods Vol. 1 No. 2, 1992.
Co-Editor, Protein Engineering Section, Current Opinion in Biotechnology, Vol. 8, 1997.
Co-Editor, Selected Essays on Science and Technology for Securing a Better Philippines, Vol. 1 (The University of the Philippines Press, Diliman, Q.C.) 2008.
Co-Editor, Philippine Science Letters, 2008-14
Member, Advisory Board, Molecular Immunology, 1980-99
Member, Editorial Board, Receptor, 1990-96
Member, Editorial Board, Macromolecular Structures, 1993-97
Consultant, Merck Sharpe and Dohme, 1989-91
Consultant, Biogen Inc, 1991-96
Consultant, MedImmune Inc, 1991-92
Consultant, T Cell Sciences Inc, 1992-95
Consultant, IDEC Pharmaceuticals Corp, 1995-2003
Consultant, SmithKline Beecham, 1996-97
Consultant, Medarex Inc, 1996-97; 2003-2005
Consultant, Tanox Biosystems, 1998-99
Consultant, System Research Inc, 2003-2004
Consultant, Biogen Idec, 2003-2005
Consultant, BioMedics Inc, 2004-2008
Member, Scientific Advisory Board, BioMedics Inc, 2009-2012
Consultant, NeoGenix Oncology Inc, 2007; 2012
Consultant, PharMab Inc, 2007-2008
Consultant, Sutherland Asbill & Brennan LLP, 2008
Consultant, A&G Pharmaceutical Inc, 2011
Consultant, Synthetic Biologics Inc, 2013
Consultant, Tanabe Research Laboratories, U.S.A., Inc, 2015

Membership in Academies and Honor Societies:

National Academy of Science and Technology, Philippines (Corresponding Member, elected 2003)
Philippine-American Academy of Science and Engineering (Founding Member; served as President, 1999)
Phi Kappa Phi International Honor Society (elected 1960)
Sigma Pi Sigma Physics Honor Society (elected 1961)
Phi Sigma Biological Honor Society (Alpha Chi Chapter) (elected 1969)

Membership in Professional Societies:

American Crystallographic Association, 1967-99
American Society for Biochemistry and Molecular Biology, 1976-present
American Association of Immunologists, 1977-present
Philippine Society for Biochemistry and Molecular Biology (Honorary Member), 2007-present

Patents:**27 Granted, 4 pending in the US:**

1. F.J.R.do Couto, R.L.Ceriani, J.A.Peterson and E.A.Padlan.
US5792852 (Granted August 11, 1998):
Polynucleotides encoding modified antibodies with human milk fat globule specificity
2. I.Pastan, I.Benhar, E.A.Padlan, S.-H.Jung and B.K.Lee.
US5889157 (Granted March 30, 1999):
Humanized B3 antibody fragments, fusion proteins, and uses thereof
3. A.Black, N.Hanna, E.A.Padlan and R.A.Newman.
US6001358 (Granted December 14, 1999):
Humanized antibodies to human gp39, compositions containing thereof
4. M.N.Blackburn, W.R.Church, G.Z.Feuerstein, M.S.Gross, A.J.Nichols, E.A.Padlan, A.H.Patel and D.R.Sylvester.
US6005091 (Granted December 21, 1999):
Nucleic acids encoding immunoglobulin domains
5. I.Pastan, I.Benhar, E.A.Padlan, S.-H.Jung and B.K.Lee.
US6287562 (Granted September 11, 2001):
Methods of inhibiting the growth of cells bearing LewisY antigens using B1, B3, or B5 targeted immunoconjugates
6. F.J.R.do Couto, R.L.Ceriani, J.A.Peterson and E.A.Padlan.
US6315997 (Granted November 13, 2001):
Use of modified antibodies with human milk fat globule specificity
7. M.N.Blackburn, W.R.Church, G.Z.Feuerstein, M.S.Gross, A.J.Nichols, E.A.Padlan, A.H.Patel and D.R.Sylvester.
US6391299 (Granted May 21, 2002):
Anti-factor IX/IXa antibodies
8. A.Black, N.Hanna, E.A.Padlan and R.A.Newman.
US6440418 (Granted August 27, 2002):
Methods of treating autoimmune diseases with gp39-specific antibodies

9. P.S.Mezes, R.A.Richard, K.S.Johnson, J.Schlom, S.V.S.Kashmiri, L.Shu and E.A.Padlan.
US6495137 (Granted December 17, 2002):
Humanized anti-tag-72 monoclonal antibodies using human subgroup 4 kappa light chains
10. A.Black, N.Hanna, E.A.Padlan and R.A.Newman.
US6506383 (Granted January 14, 2003):
Methods of suppressing immune responses to transplanted tissues and organs with gp39-specific antibodies
11. B.L.Daugherty, G.E.Mark III and E.A.Padlan.
US6797492 (Granted September 28, 2004):
Method for reducing the immunogenicity of antibody variable domains
12. S.V.S.Kashmiri, E.A.Padlan and J.Schlom.
US6818749 (Granted November 16, 2004):
Variants of humanized anti-carcinoma monoclonal antibody CC49
13. F.J.R.do Couto, R.L.Ceriani, J.A.Peterson and E.A.Padlan.
US6936706 (Granted August 30, 2005):
Modified antibodies with human milk fat globule specificity and uses
14. A.Black, N.Hanna, E.A.Padlan and R.A.Newman.
US7074406 (Granted July 11, 2006):
Treating allergic diseases with humanized anti-CD40L antibody
15. P.S.Mezes, R.A.Richard, K.S.Johnson, J.Schlom, S.V.S.Kashmiri, L.Shu and E.A.Padlan.
US7179899 (Granted February 20, 2007):
Composite antibodies of humanized human subgroup IV light chain capable of binding to TAG-72
16. S.V.S.Kashmiri, E.A.Padlan and J.Schlom.
US7256004 (Granted August 14, 2007; Divisional of US6818749):
Variants of humanized anti-carcinoma monoclonal antibody CC49
17. S.V.S.Kashmiri, J.Schlom and E.A.Padlan.
US7569673 (Granted August 4, 2009):
Humanized anti-TAG-72 CC49 for diagnosis and therapy of human tumors
18. S.V.S.Kashmiri, J.Schlom and E.A.Padlan.
US7589181 (Granted September 15, 2009):
Minimally immunogenic variants of SDR-grafted humanized antibody CC49 and their use
19. S.V.S.Kashmiri, E.A.Padlan and J.Schlom.

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