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UNIVERSITY OF PENNSYLVANIA - SCHOOL OF VETERINARY MEDICINE

DATE: July 14 2023

CURRICULUM VITAE

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EDUCATION:

1998	B.S.	Biochemistry	Tufts University
2002	D.V.M.	Veterinary Medicine	Tufts University
2011	PhD	Immunology	Universitat Autònoma de Barcelona

POSTDOCTORAL TRAINING and FELLOWSHIP APPOINTMENTS:

06/02-07/03	Veterinary Intern	Critical Care, Internal Medicine and Surgery	Florida Veterinary Specialists and Cancer Treatment Center
07/03-07/07	Veterinary Resident	Laboratory Animal Medicine/Comparative Medicine	University of Michigan Medical School
07/04-07/07	Post-doctoral fellow Transplant Immunology	Experimental Bone Marrow Transplantation	University of Michigan Medical School Comprehensive Cancer Center

Template updated 4/2015

08/07-07/10	Sr. post-doctoral fellow Transplant Immunology	Bone Marrow Transplantation	Harvard Medical School TBRC. MGH
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MILITARY SERVICE: NA

FACULTY APPOINTMENTS:

07/01/2010-08/01/2012	Instructor in Surgery Harvard Medical School	Experimental Hematopoietic Cell Transplantation	Transplantation Biology Research Center (MGH) Harvard University
06/01/2011-07/01/2013	Instructor (adjunct)	Department of Biomedical Sciences	Tufts University Cummings School of Veterinary Medicine
07/01/2013-	Clinical Assistant Professor (adjunct)	Department of Biomedical Sciences	Tufts University Cummings School of Veterinary Medicine
08/01/2012-07/31/2015	Assistant Professor Columbia U.	Center for Translational Immunology	Columbia University Medical Center
09/01/2015-11/30/2020	Assistant Professor (CE)	Pathobiology	University of Pennsylvania School of Veterinary Medicine
11/01/2020-	Associate Professor (CE)	Pathobiology	University of Pennsylvania School of Veterinary Medicine

HOSPITAL AND ADMINISTRATIVE APPOINTMENTS:

05/05-07/07	Relief Veterinarian	General Medicine	Whittaker Road Animal Hospital (MI)
06/01/2010-08/01/2012	Assistant in Immunology	Immunology	MGH
01/2011-07/2012	Clinical Veterinarian	MHC characterized miniature breeding farm	MGH
08/2012-07/2015	Clinical Veterinarian	Lab Animal Medicine	Columbia University
08/2012-07/2015	Head of Pre-clinical transplant laboratories	Center for Translational Immunology	Columbia University

Template updated 4/2015

09/2015-03/2020	Associate Director of Clinical Care	University Resources	Laboratory	Animal	University of Pennsylvania
06/2021-11/2021	Interim Attending Veterinarian and co-Director	University Resources	Laboratory	Animal	University of Pennsylvania
03/2020-12/2022	Director of Investigator Training	University Resources	Laboratory	Animal	University of Pennsylvania
03/2020-PRESENT	Director of Regulatory Affairs	University Resources	Laboratory	Animal	University of Pennsylvania

RESEARCH and/or CLINICAL INTERESTS:

1. Immunological tolerance and anti-tumor therapies. I aim to understand and exploit novel autologous and allogeneic immunotherapies for the prevention of solid organ rejection, GVHD, and autoimmunity and enhancing approaches to kill liquid and solid neoplasms in clinically-relevant large animal models.
2. Cell and gene engineering therapies using hematopoietic stem cells, regulatory T cells and CAR T cell/Tregs.
3. Large animal translational immunology
 - a. Development and refinement of clinically-relevant large animal models (swine and non-human primates) for clinical applications.
 - b. Execute proof of concept and pre-clinical/co-clinical trials using clinically-relevant large animal models on the cageside for translation to the bedside.

SPECIALTY CERTIFICATION: Diplomate American College of Laboratory Animal Medicine.

LICENSURE: New York State and Pennsylvania

AWARDS, HONORS and MEMBERSHIP in HONORARY SOCIETIES:

2006	Honorable Mention	Merck Meril Young Investigator Award	Bone marrow transplantation research studies of CD100 and it's effects in GVH/GVL
2009	Travel Award	American Society of Hematology	GVL like effects with minimal GVHD in a large animal bone marrow transplant model
2011	Cumma Sum Laude	PhD Thesis Universitat Autònoma de Barcelona Work performed at: 1. University of Michigan 2. Massachusetts General Hospital (Harvard Medical School)	"Modulation of alloresponses in small and large animals for the improvement of hematopoietic stem cell transplant

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			outcomes across MHC barriers"
2012	Tufts Outstanding Alumni Award	Tufts University School of Veterinary Medicine	
2013	Travel Award	American Association of Immunologists.	
2016	Extraordinary Award in Advanced Immunology	Autonomous University of Barcelona	Post-thesis Immunology Award
2018	Leslie Brent Award	The Transplantation Society	Award for the most outstanding paper in "Transplantation" Basic Science
2023	Fellow of the American Society of Transplantation (FAST)	The American Society of Transplantation	For outstanding contributions to the field of Transplantation. *Note- first veterinarian to receive this award

PROFESSIONAL ASSOCIATIONS:

- 1998 American Association of Veterinary Medicine (AVMA)
- 2002 American Association of Laboratory Animal Science (AALAS)
- 2003 American Association of Laboratory Animal Practitioners (ASLAP)
- 2006 American Society of Bone and Marrow Transplantation (ASBMT)
- 2008 American Association of Swine Veterinarians
- 2011 American Association of Immunology
- 2012 American College of Laboratory Animal Medicine
- 2012 American Society of Hematology
- 2012 American Society of Transplantation
- 2012 Federation of Clinical Immunologists
- 2018 European Society of Transplantation

NATIONAL COMMITTEES AND ACTIVITIES:

2010-2013	Abstract Review Committee	American Association for Laboratory Animal Science Conference
2011	"Translational Science" Curriculum Committee for Transplant Fellows in Training	American Society of Transplantation
2013	Irving Institute Grant Reviewer	Columbia University
2012- 2014	Exam Review Committee	American College of Laboratory Animal Medicine

Template updated 4/2015

2018	AST/ Astellas Grant Review Committee	American Society of Transplantation
2019-2020	Chair Scientific Review Committee	American College of Laboratory Animal Medicine
2012 -2020	Grant Review Committee	American College of Laboratory Animal Medicine
2020	Xenotransplantation Grant Review Committee	NIAID (NIH) -U19 and U01 proposals
2017-2021	Grant Review Committee (Reconstructive Transplant Research Peer Review Panel)	Department of Defense (DoD)
2019-2022	AST Research Network Translational Scientific Review Committee	American Society of Transplantation
2022	Grant Review Committee. Innovative Immunology Research and Microbial Vaccine Development	NIH – STTR/ SBIR

EDITORIAL POSITIONS:

1. World Journal of Translational Medicine (2012- 2015)
2. Clinics (2014-2018)
3. Journal of the American Association of Laboratory Animal Science (2016-)
4. Comparative Medicine (2016-)
5. Frontiers in Transplantation (2023-)

JOURNAL REVIEWER (Ad- hoc NO EDITORIAL POSITION)

1. Transplantation
2. Transplantation Proceedings
3. PloS One
4. ILAR journal
5. Journal of Immunological Methods (JIM)
6. Biology of Blood and Marrow Transplantation (BBMT)
7. Haematologica
8. Bone and Marrow Transplantation (BMT)
9. ALTEX
10. American Journal of Transplantation (AJT)
11. Cell Reports Medicine

PUBLICATIONS:

Peer-Reviewed Research Papers:

1. **Durán-Struuck R**, Hernandez AH and Jost C. "*Dirofilaria immitis* (Heartworm) Incidence in the Samana Peninsula, Dominican Republic" Vet Parasitol. 2005 Nov 5;133(4):323-7
2. **Duran-Struuck R**, Tawara I, Lowler K, Clouthier SG, Weisiger E, Rogers C, Luker G, Kumanogoh A, Liu C, Ferrara JL, Reddy P. "A novel role for the semaphorin Sema4D in the induction of allo-responses". Biol Blood Marrow Transplant. 2007 Nov;13(11):1294-1303.
3. **Duran-Struuck R**, Hartigan A, Clouthier SG, Dyson MC, Lowler K, Gatza E, Tawara I, Toubai T, Weisiger E, Hugunin K, Reddy P, Wilkinson JE. "Differential susceptibility of C57BL/6NCr and B6.Cg-Ptprca mice to commensal bacteria after whole body irradiation in translational bone marrow transplant studies". J Transl Med. 2008 Feb 28;6(1):10
4. Reddy P, Sun Y, Toubai T, **Duran-Struuck R**, Clouthier SG, Weisiger E, Maeda Y, Tawara I, Krijanovski O, Gatza E, Liu C, Malter C, Mascagni P, Dinarello CA, Ferrara JL. "Histone deacetylase inhibition modulates indoleamine 2,3-dioxygenase dependent dendritic cell functions and regulates experimental graft-versus-host disease" J Clin Invest. 2008 Jul;118(7):2562-73.
5. **Duran-Struuck R**, Colby LA, Rogers M, Hankenson KD, Meier TR, Rosenstein D. "What is your diagnosis? Diagnosis: Luxation of the left patella with DJD involving the left stifle joint and subluxation of the left hip joint. J Am Vet Med Assoc. 2008 Mar 15;232(6):839-40.
6. Horner BM, Randolph MA, **Duran-Struuck R**, Hirsh EL, Ferguson KK, Teague AG, Butler PE, Huang CA. "Induction of tolerance to an allogeneic skin flap transplant in a preclinical large animal model" Transplant Proc. 2009 Mar;41(2):539-41
7. **Duran-Struuck R**, Patricia S. Cho, Alexander G.S. Teague, Shannon G. Moran, Krzysztof J. Wikiel, Kelly K. Ferguson, Diana P. Lo, Michael Duggan, J. Scott Arn, Bob Billiter, Ben Horner, Stuart Houser, Beow Yong Yeap, Susan V. Westmoreland, Thomas R. Spitzer, Isabel M. McMorrow, David H. Sachs, Roderick T Bronson, Christene A. Huang . "Myelogenous Leukemia in Adult Miniature Swine: an Immunophenotypic Categorization of Spontaneous Swine Leukemias" Vet Immunol Immunopathol. 2010 Jun 15;135(3-4):243-56.
8. Tawara I, Shlomchik WD, Jones A, Zou W, Nieves E, Liu C, Toubai T, **Duran-Struuck R**, Sun Y, Clouthier SG, Evers R, Lowler KP, Levy RB, Reddy P "A crucial role for host APCs in the induction of donor CD4+CD25+ regulatory T cell-mediated suppression of experimental graft-versus-host" disease". J Immunol. 2010 Oct 1;185(7):3866-72
9. Wang Z, **Duran-Struuck R**, Crepeau R, Matar A, Hanekamp I, Srinivasan S, Neville DM Jr, Sachs DH, Huang CA. "Development of a diphtheria toxin based anti-porcine CD3 recombinant immunotoxin". Bioconjug Chem. 2011 Oct 19;22(10):2014-20.
10. Hermanrud CE, Pathiraja V, Matar A, **Duran-Struuck R**, Crepeau RL, Srinivasan S, Sachs DH, Huang CA Wang Z "Expression and purification of non-N-glycosylated porcine interleukin 3 in yeast *Pichia pastoris*" Protein Expr Purif. 2012 Mar;82(1):70-4
11. Crepeau R, Matar A, Spitzer TR, Robson S, Pathiraja V, Sachs DH, Huang CA, **Duran-Struuck R**. "Edema and tetraparesis in a miniature pig after allogeneic hematopoietic cell transplantation" Comp Med. 2012 Aug;62(4):298-302.
12. Matar AJ, Crepeau RL, Pathiraja V, Robson S, Fishman JA, Spitzer TR, Sachs DH, Huang CA, **Duran-Struuck R**. "Effects of mobilization regimens in donors on outcomes of hematopoietic cell transplantation in miniature Swine" Comp Med. 2012 Dec;62(6):487-94

13. Pathiraja V., Matar A., Crepeau R, Huang C. **Duran-Struuck R.** "Development of a safe protocol of leukapheresis for non human primates and miniature swine (4kg-7kg)". Journal of the American Association of Laboratory Animal Science (2013).
14. Peraino JS, Schenk M, Li G, Zhang H, Farkash EA, Sachs DH, Huang CA, **Duran-Struuck R.**, Wang Z. "Development of a diphtheria toxin-based recombinant porcine IL-2 fusion toxin for depleting porcine CD25(+) cells". J Immunol Methods. 2013 Dec 15;398-399:33-43
15. Liang F, Wamala I, Scalea J, Tena A, Cormack T, Pratts S, **Duran-Struuck R.**, Elias N, Hertl M, Huang CA, Sachs DH. "Increased levels of anti-non-Gal IgG following pig-to-baboon bone marrow transplantation correlate with failure of engraftment". Xenotransplantation. 2013 Nov;20(6):458-68. doi: 10.1111/xen.12065. Epub 2013 Oct 29.
16. Leonard DA, Kurtz JM, Mallard C, Albritton A, **Duran-Struuck R.**, Farkash EA, Crepeau R, Matar A, Horner BM, Randolph MA, Sachs DH, Huang CA, Cetrulo CL Jr. "Vascularized Composite Allograft Tolerance across MHC Barriers in a Large Animal Model Am J Transplant. 2014 Feb;14(2):343-55.
17. Weiner J, **Duran-Struuck R.**, Zitsman J, Buhler L, Sondermeijer H, McMurphy AN, Levings MK, Sykes M, Griesemer A. "Restimulation After Cryopreservation and Thawing Preserves the Phenotype and Function of Expanded Baboon Regulatory T Cells". Transplantation Direct. Transplant Direct. 2015 Feb 1;1(1):1-7.
18. Matar AJ, Patil AR, Al-Musa A, Hanekamp I, Sachs DH, Huang CA, **Duran-Struuck R.** "Effect of Irradiation on Incidence of Post-Transplant Lymphoproliferative Disorder after Hematopoietic Cell Transplantation in Miniature Swine." Biol Blood Marrow Transplant. 2015 Oct;21(10):1732-8. doi
19. **Duran-Struuck R.**, Huang CA, Orf K, Bronson RT, Sachs DH, Spitzer TR. Miniature Swine as a Clinically Relevant Model of Graft-Versus-Host Disease. Comp Med. 2015;65(5):429-43.
20. **Duran-Struuck R.** Privileged to work with animals. Lab Anim (NY). 2015 Oct 20;44(11):453.
21. **Duran-Struuck R.**, Matar AJ, Huang CA. "Myeloid Leukemias and Vially Induced Lymphomas in Miniature Inbred Swine: Development of a Large Animal Tumor Model". Front Genet. 2015 Nov 20;6:332. doi: 10.3389/fgene.2015.00332.
22. Zitsman JS, Alonso-Guallart P, Ovanez C, Kato Y, Rosen JF, Weiner JI, **Duran-Struuck R.** "Distinctive leukocyte subpopulations according to Organ Type in Cynomolgus Macaques" Comp Med. 2016. 66(4):308-23
23. **Duran-Struuck R.**, Matar AJ, Crepeau RL, Teague AGS, Horner BM, Pathiraja V, Spitzer TR, Fishman JA, Bronson RT, Sachs DH, Huang CA. "Donor Lymphocyte Infusion-Mediated Graft-versus-Host Responses in a Preclinical Swine Model of Haploidentical Hematopoietic Cell Transplantation". Biol. Bone Marrow Transplant 2016. Nov;22(11):1953-1960
24. Pathiraja V, Villani V, Tasaki M, Matar AJ, **Duran-Struuck R.**, Yamada R, Moran SG, Clayman ES, Hanekamp J, Shimizu A, Sachs DH, Huang CA, Yamada K. "Tolerance of Vascularized Islet-Kidney Transplants in Rhesus Monkeys" Am J Transplant. 2017 Jan;17(1):91-102.
25. **Duran-Struuck R.**, Sondermeijer HP, Bühler L, Alonso-Guallart P, Zitsman J, Kato Y, Wu A, McMurphy AN, Woodland D, Griesemer A, Martinez M, Boskovic S, Kawai T, Cosimi AB, Yang YG, Hu Z, Wu CS, Slate A, Mapara M, Baker S, Tokarz R, D'Agati V, Hammer S, Pereira M, Lipkin WI, Wekerle T, Levings M, Sykes M. *Effect of Ex Vivo-Expanded Recipient Regulatory T Cells on Hematopoietic Chimerism and Kidney Allograft Tolerance Across MHC Barriers in Cynomolgus Macaques*". Transplantation. 2017 Feb;101(2):274-283

26. Kato Y, Griesemer AD, Wu A, Sondermeijer HP, Weiner JI, **Duran-Struuck R**, Martinez M, Slate AR, Romanov A, Lefkowitz JH, Sykes M, Kato T. "Effect of Ex Vivo-Expanded Recipient Regulatory T Cells on Hematopoietic Chimerism and Kidney Allograft Tolerance Across MHC Barriers in Cynomolgus Macaques." *Comp Med* 2017 Oct 1;67(5):436-441.
27. Wobma HM, Tamargo MA, Goeta S, Brown LM, **Duran-Struuck R**, Vunjak-Novakovic. "The influence of hypoxia and IFN- γ on the proteome and metabolome of therapeutic mesenchymal stem cells." *G. Biomaterials*. 2018 Jun;167:226-234. doi: 10.1016/j.biomaterials.2018.03.027. Epub 2018 Mar 15.
28. Wobma HM, Kanai M, Ma SP, Shih Y, Li HW, **Duran-Struuck R**, Winchester R, Goeta S, Brown LM, Vunjak-Novakovic G. "Dual IFN- γ /hypoxia priming enhances immunosuppression of mesenchymal stromal cells through regulatory proteins and metabolic mechanisms". *J Immunol Regen Med*. 2018 Mar;1:45-56
29. Alonso-Guallart P, Zitsman JS, Stern J, Kofman SB, Woodland D, Ho SH, Sondermeijer HP, Bühler L, Griesemer A, Sykes M, **Duran-Struuck R**. "Characterization, biology, and expansion of regulatory T cells in the Cynomolgus macaque for preclinical studies." *Am J Transplant*. 2019 Aug;19(8):2186-2198.
30. Schenk M, Matar AJ, Hanekamp I, Hawley RJ, Huang CA, **Duran-Struuck R**. *Development of a Transplantable GFP+ B-Cell Lymphoma Tumor Cell Line From MHC-Defined Miniature Swine: Potential for a Large Animal Tumor Model*. *Front Oncol*. 2019 Apr 2;9:209. doi: 10.3389/fonc.2019.00209. eCollection 2019
31. Alonso-Guallart P, **Duran-Struuck R**, Zitsman JS, Sameroff S, Pereira M, Stern J, Berglund E, Llore N, Pierre G, Lopes E, Kofman SB, Danton M, Sondermeijer HP, Woodland D, Kato Y, Ekanayake-Alper DK, Iuga AC, Wu CS, Wu A, Lipkin WI, Tokarz R, Sykes M, Griesemer A. "Impact of CMV reactivation, treatment approaches and immune reconstitution in a nonmyeloablative tolerance induction protocol in Cynomolgus macaques." *Transplantation*. 2019 Aug 1
32. Chaudhry S, Kato Y, Weiner J, Alonso-Guallart P, Baker S, Woodland DC 4th, Lefkowitz JH, **Duran-Struuck R**, Sondermeijer HP, Zitsman J, Sears ML, Wu A, Karolewski B, Houck PJ, Martinez M, Kato T, Sykes M, Griesemer AD. "Transient Mixed Chimerism With Nonmyeloablative Conditioning Does Not Induce Liver Allograft Tolerance in Nonhuman Primates." *Transplantation*. 2020 Apr 6.
33. Chong, Angie Chi Nok and Vandana, J. Jeya and Li, Ge and Qiu, Yunping and Najji, Ali and **Duran-Struuck, Raimon** and Coker, Kimberly and Hao, Mingming and Liu, Chengyang and Chen, Shuibing, Checkpoint Kinase 2 Controls Insulin Secretion and Glucose Homeostasis. *Cell Metabolism*. 2021 July 14. <http://dx.doi.org/10.2139/ssrn.3886996>
34. Ellis GI, Coker KE, Winn DW, Deng MZ, Shukla D, Bhoj V, Milone MC, Wang W, Liu C, Najji A, **Duran-Struuck R**, Riley JL. [Trafficking and persistence of alloantigen-specific chimeric antigen receptor regulatory T cells in Cynomolgus macaque](#). *Cell Rep Med*. 2022 May 17;3(5):100614. doi
35. Ellis GI, Deng MZ, Winn DW, Coker KE, Shukla D, Bhoj V, Milone MC, **Duran-Struuck R**, Riley. "Generation of non-human primate CAR Tregs using artificial antigen-presenting cells, simian tropic lentiviral vectors, and antigen-specific restimulation." *STAR Protoc*. 2022 Nov 5;3(4):101784. doi: 10.1016/j.xpro.2022.101784. eCollection 2022 Dec 16. PMID: 36386869
36. Monica Wei, Laurice Flowers, Simon Knight, Qi Zheng, Sofia Murga-Garrido, Aayushi Uberoi, Ting-Chun Pan, Jasmine Walsh, Erin Schroeder, Emily Chu, Amy Campbell, Daniel Shin, Charles Bradley, **Raimon Duran-Struuck**, and Elizabeth Grice. "Harnessing diversity and antagonism within the pig skin

microbiota to identify novel mediators of colonization resistance to methicillin-resistant *Staphylococcus aureus*". mSphere. Accepted. In press.

Review Articles (Peer reviewed):

1. **Duran-Struuck R**, Reddy P. "Biological advances in acute graft-versus-host disease after allogeneic hematopoietic stem cell transplantation" Transplantation. 2008 Feb 15;85(3):303-8. (INVITED)
2. **Duran-Struuck R**, Dysko RC. "Principles of bone marrow transplantation (BMT): providing optimal veterinary and husbandry care to irradiated mice in BMT studies". J Am Assoc Lab Anim Sci. 2009 Jan;48(1):11-22.
3. **Duran-Struuck R**, Huang CA, Orf K, Bronson RT, Sachs DH, Spitzer TR. *Miniature Swine as a Clinically Relevant Model of Graft-Versus-Host Disease*. Comp Med. 2015 Oct;65(5):429-443 (INVITED)
4. **Duran-Struuck R**, Huang CA, Matar AJ. "Cellular Therapies for the Treatment of Hematological Malignancies; Swine Are an Ideal Preclinical Model." Front Oncol. 2019 Jun 21;9:418. doi: 10.3389/fonc.2019.00418. eCollection 2019. Review. (INVITED)
5. Matar AJ, Crepeau RL, **Duran-Struuck R**. "Cellular Immunotherapies in Preclinical Large Animal Models of Transplantation". Biol Blood Marrow Transplant. 2021 Oct 2:S1083-8791(20)30625-X. doi: 10.1016/j.bbmt.2020.09.032.
6. Matar AJ, Crepeau RL, **Duran-Struuck R** *Non-invasive imaging for the diagnosis of acute rejection in transplantation: The next frontier*. Transpl Immunol. 2021 Oct;68:101431. doi: 10.1016/j.trim.2021.101431. Epub 2021 Jun 19.
7. Matar AJ, Sachs DH, **Duran-Struuck R**. *The MHC-characterized Miniature Swine: Lessons Learned From a 40-Year Experience in Transplantation*. Transplantation. 2021 Oct 29. doi: 10.1097/TP.0000000000003977. Online ahead of print. PMID: 34720103

Books:

Book Chapters and Reviews:

1. M.J. Linn, **R. Duran-Struuck**, A.K. Trivedi, L.B. Zajic, S.K. Wroblewski, A.E. Hawley and D.D. Myers "Biology and Medicine of Non-human Primates. Part I: Physiology and Management". In: Laboratory Animal Medicine and Management, Reuter JD and Suckow MA (Eds.) 2006. Publisher: International Veterinary Information Service. Ithaca NY. (www.ivis.org)
2. M.J. Linn, **R. Duran-Struuck**, A.K. Trivedi, L.B. Zajic, S.K. Wroblewski, A.E. Hawley and D.D. Myers "Biology and Medicine of Non-human Primates. Part II: Clinical Medicine and Uses". In: Laboratory Animal Medicine and Management, Reuter JD and Suckow MA (Eds.) 2006. Publisher: International Veterinary Information Service. Ithaca NY. (www.ivis.org)
3. John Hanekamp, **R. Duran-Struuck** and David H Sachs. "Transplantation in Miniature Swine" The Mini Pig in Biomedical Research. CRC Press (Taylor & Francis Group). 2011 (Book Chapter)
4. Bram V. Lutton and **R Duran-Struuck**. "Immunogenicity versus Immunomodulation of Perinatal Stem Cells". IN: Perinatal Stem Cells. 2nd edition. Wiley Blackwell. 2013

5. **R. Duran-Struuck** and Bram V. Lutton. "Xenotransplantation and Transgenic Technologies" in Swine in the Laboratory: Surgery, Anesthesia, Imaging, and Experimental Techniques, Third Edition. 2015.
6. Christi L. Helke, Paula C. Ezell, **R. Duran-Struuck**, M. Michael Swindle. "Biology and Diseases of Swine". In: Laboratory Animal Medicine 3rd Edition). 2017
7. Patrick Lester¹, James Marx², Portia S. Allen¹, Bram V. Lutton³ and **Raimon Duran-Struuck**^{2*}. "Veterinary Care and Management of Rodent and Large Animal Models in Transplantation Research". (Chapter 5). In Advances of Experimental Surgery by "Advances in Experimental Surgery" (H. Chen, Martins P), Nova Science Publishers. 2018.
8. Abraham Matar¹ and **Raimon Duran-Struuck**^{2*}. "Animal Models of Acute Graft-versus-Host and Host –versus-Graft Responses and Disease". In Advances of Experimental Surgery by "Advances in Experimental Surgery" (H. Chen, Martins P), Nova Science Publishers. 2018.

Published Abstracts:

1. **Duran-Struuck R.**, Rosenstein D, Hankenson K, Rogers M, Colby, L. 2005 "Hind Limb Paresis in a New Zealand White Rabbit". American Association for Laboratory Animal Science Conference. St Louis, MO
2. Pavan Reddy, Oleg Krijanovski, **Raimón Duran-Struuck**, Charles Dinarello, James LM Ferrara. 2005. "Histone Deacetylase Inhibitors Modulate the Innate and Allostimulatory Responses of Dendritic Cells". American Society for Clinical Investigation & American Society of American Physicians conference. Chicago, IL.
3. **Duran-Struuck R**, Rogers C, Clouthier S, Gatzka E, Lofthus D, Liu C, Kumanogoh A, Reddy P and Ferrara JLM. 2006 "A critical role of Sema4D (CD100) in reducing Graft-versus-host disease in a murine major mismatch transplant". American Society for Bone Marrow Transplantation conference. Honolulu, HI.
4. **Duran-Struuck R**, Luker G, Lowler K, Clouthier S, Liu C, Kumanogoh A, Ferrara JLM and Reddy P. 2006 "A critical Role of Sema4D (CD100) in Experimental Graft-versus-Host Disease and Graft-versus-Leukemia". The laboratory Mouse in Translational Cancer Research and Discovery. Discovery Strategies 2006. New York, NY.
5. **R. Duran-Struuck**. 2006 "The effects of the Semaphorin Sema4D in Allogeneic Bone Marrow Transplantation". Oral communication at the Michigan AALAS conference. Ann Arbor, MI.
6. **R. Duran-Struuck**, B Weigler, J. Locke, C. Binkley and P. Reddy. October 2006 "Bone Marrow Transplantation: from Animal Models in Biomedical Research to Veterinary and Husbandry Care" American Association for Laboratory Animal Science Conference. Salt Lake City, UT.
7. Cheng Frank Zhong, Eric R. Tkaczyk, Jing Yong Ye, Andrzej Myc, Thommey Thomas, Zhengyi Cao, **Raimon Duran-Struuck**, Kathryn E. Luker, Gary D. Luker, James R. Baker, Jr. & Theodore B. Norris, "Quantitative Two-Photon Flow Cytometry - in Vitro and in Vivo" J. Biomed. Opt.
8. Reddy P, Sun Y, Maeda Y, Weisiger E, **Duran-Struuck R**, Dinarello C, Ferrara JLM. "Histone deacetylase inhibitors induce indoleamine 2,3-di-oxygenase and modulate dendritic cell functions". American Society for Bone Marrow Transplantation conference. Keystone, CO. 2007
9. **Duran-Struuck R**, Luker G, Lowler K, Clouthier S, Liu C, Kumanogoh A, Ferrara JLM and Reddy P. "A critical role of the immune semaphorin, Sema4D (CD100), in the induction of alloresponses" American Society for Bone Marrow Transplantation conference. Keystone, CO. 2007.

Comentado [DSR1]: Needs to update the abstracts - Lidia, and others at internal and external conferences.

10. Horner, B. M., Randolph, M. A., **Duran-Struuck, R.**, Hirsh, E. L., Ferguson, K. K., Teague, A., Butler, P. E. M., Huang, C. A. (July 2008). "*Induction of tolerance to skin flaps in a preclinical large animal model*" The 1st American Conference on Reconstructive Transplantation Surgery. Philadelphia, Pennsylvania and Plastic Surgery Research Council. Springfield, IL. 2008.
11. **Raimon Duran-Struuck**, Patricia S. Cho, Shannon G. Moran, Alex Teague, Kelly Fergusson, Bram V Lutton, David H. Sachs, Christene A. Huang "*Immunophenotypic characterization of Spontaneous Myeloid Leukemias in Adult MHC Defined and Histocompatible Miniature Swine: Towards the Development of a Large Animal Tumor Model*" American Association for Laboratory Animal Science Conference. Indianapolis, IN. 2008.
12. **Raimon Duran-Struuck**, Benjamin M. Horner, Bram V. Lutton, Alexander G.S. Teague, Kelly K. Ferguson, Jonathan Summers, Thomas R. Spitzer, Jay Fishman, Stuart Houser, David H. Sachs, Christene A. Huang "*Conversion to Full Donor Chimerism Without GVHD Using High-dose DLI in Minimally Conditioned Miniature Swine Recipients of Haploidentical HCT*" American Society of Hematology. San Francisco. CA. 2008.
13. **Raimon Duran-Struuck**, Alex Teague, Patrick Schule, Greg Veillette, Thomas R Spitzer, Rebecca Crepeau, Fan Liang, Vimukthi Pathiraja, David H Sachs, Christene Huang "*The MGH-MHC defined miniature pig as a model for graft-versus-host disease in hematopoietic cell transplant studies*". American Association for Laboratory Animal Science Conference. Denver, CO, 2009. and Executive Committee on Research. Massachusetts General Hospital. Harvard Medical School. Boston, MA February 24 2010.
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