

CURRICULUM VITAE
Francyne Kubaski, MSc, PhD
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WORK:

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Medical Genetics Service
Hospital de Clínicas de Porto Alegre
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Education:

2017-present Postdoctoral fellow at Medical Genetics Service-HCPA/UFRGS-PPGBM

2013-2017 PhD student in Biological Sciences: Molecular biology and Genetics University of Delaware

Advisor: Shunji Tomatsu (Nemours- Alfred I. DuPont Hospital for children/UDEL)

Advisor of record: Erica Selva (UDEL)

Co-advisor: Robert Mason (Nemours- Alfred I. DuPont Hospital for children/UDEL
Department of Biological Sciences

University of Delaware

Dissertation title: Diagnosis and therapies for Mucopolysaccharidosis

2011-2012 Masters in Medicine: Medical Sciences, Universidade Federal do Rio Grande do Sul, UFRGS, Brazil

Advisor: Sandra Leistner-Segal (UFRGS-HCPA)

Medical Sciences Program

Universidade Federal do Rio Grande do Sul (UFRGS)

Thesis title: Standardization of a protocol for identification of mutations in *GALNS*

2007-2010 B.S. in Biomedical sciences, Instituto Cenecista de Ensino Superior de Santo Ângelo, IESA, Brazil

Advisor: Daniele Sauzen Lunkes MD

Co-advisor: Tor Gunnar Hugo Onsten, MD, PhD

Thesis Title: Reporting of transfusion reactions in a hospital of Brazil. Blood transfusion-Italy, 2012.

1995 Graduate: Colegio Evangelico Rui Barbosa, Giruá, Rio Grande do Sul, Brazil

Journals reviewed for

1. Blood transfusion
2. International Journal of Pharmacy and Pharmacology
3. Austin Chromatography
4. Journal of blood disorders (Editorial board)
5. International Journal of Hematology
6. Journal of Inborn Errors of Metabolism and Screening
7. Molecular Genetics & Genomic Medicine
8. Genetics and Molecular Biology

9. International Journal of Neonatal Screening
10. Journal of Mass Spectrometry and Advances in the Clinical Lab

Research projects

2020- Current Evolution of pre motor symptoms and biomarkers of Parkinson`s disease in a cohort of adult patients with type I Gaucher`s disease

Members: Ida Vanessa D. Schwartz- Coordinator/Arthur F. S. Schuh/ Fabiano de Oliveira Poswar/ Francyne Kubaski/ Kristiane M. Tirelli/ Maira G. Burin/ Matheus V. M. B. Wilke/ Roberto Giugliani
Financer: FIPE-HCPA

2019- Current Evaluation of a new biomarker for the diagnosis of Niemann-Pick type C disease by liquid chromatography tandem mass spectrometry

Members: Roberto Giugliani-Coordinator / Francyne Kubaski/ Ana Carolina Brusius-Facchin/ Franciele Barbosa Trapp/
Financer: FIPE-HCPA

2019-Current Expandend newborn screening by tandem mass spectrometry in the city of Porto Alegre: a pilot study

Members: Ida Vanessa D. Schwartz- Coordinator/ Francyne Kubaski/ Fernanda H. de Bittencourt/ Karina Colonetti/ Nataniel F. Ludwig/ Roberto Giugliani/ Simone Martins de Castro/ Tassia Tonon/
Financer: INAGEMP/ FIPE/ FAPERGS

2019- Current Validation of a protocol for DNA extraction from dried blood spots of patients with lysosomal disorders

Members: Ana Carolina Brusius-Facchin- Coordinator/ Alice B. O. netto/ Carolina Serpa Brasil/ Francyne Kubaski/ Roberto Giugliani

2018- Current Mass spectrometry: a tool for the identification of new biomarkers for early diagnosis and treatment monitoring of patients with lysosomal disorders

Members: Roberto Giugliani-Coordinator / Francyne Kubaski/ Ana Carolina Brusius-Facchin/ Diana Rojas Malaga/ Fernanda Bender/ Franciele Barbosa Trapp/ Maria Martha Campos/ Tiago Franco de Oliveira/ Célio Luiz Rafaelli
Financer: CNPq

2017- Current Newborn screening for Lysosomal storage disorders

Members: Roberto Giugliani-Coordinator / Francyne Kubaski/ Carmen Regla Vargas/ Graziela Ribas/ Marion Deon/ Angela Sitta
Financer: FIPE-HCPA/ CNPq- INCT- INAGEMP

2013- Current Newborn screening for Mucopolysaccharidosis

Members: Shunji Tomatsu -Coordinator / Francyne Kubaski /Tsutomu Shimada /Robert Mason /Adriana Montaña – Coordinator.
Collaboration: Saint Louis University
Financer: NIH

2013-2014 Role of BMP in stem cell differentiation

Members: Anja Nohe (Coordinator); Hemanth Akkiraju; Jeremy Bonor; Francyne Kubaski;

Miho Maeda; Vratasha Vratasha
Financer: NIH

2013-Current Molecular study with innovative techniques for diagnosis of patients and families with Mucopolysaccharidosis

Members: Francyne Kubaski; Roberto Giugliani; Ana Carolina Brusius-Facchin; Sandra Leistner-Segal (Coordinator); Fernanda Bender; Gabriela Pasqualim; Úrsula da Silveira Matte.

Financer: FAPERGS

2011–2013 Molecular study of patients and families with mucopolysaccharidosis IVA

Members: Francyne Kubaski; Roberto Giugliani; Sandra Segal (Coordinator); Ana Carolina Brusius- Facchin.

Financier: Hospital de Clínicas de Porto Alegre-HCPA

2010 – 2013 Attention to patients with diagnosis of hepatitis in a regional blood center

Members: Francyne Kubaski; Matias N. Frizzo; Luís A. Benvegnú; Antonio A.A. Rebellato; Luciane S. Figueiredo; Sandra H. Berwanger

Financier: Fundação Municipal de Saúde de Santa Rosa-FUMSSAR

2010 - Current Transfusional Medicine

Members: Francyne Kubaski; Tor Gunnar Hugo Onsten (Coordinator); Clarice Arisio Juckowsky; Leda Maria Teixeira de Campos; Leo Sekine; Luciana do Nascimento Vargas.

2010 – 2013 Study of the profile of phenotyped blood donors of regional blood Center of Santa Rosa

Members: Francyne Kubaski; Luís Antônio Benvegnú; Josiane Aquino Rodrigues (Coordinator); Deise Regina Benetti; Sergio Luis Wayer

Financier: Fundação Municipal de Saúde de Santa Rosa-FUMSSAR

2009 – 2009 Profile of blood donors of regional blood Center of Santa Rosa

Members: Francyne Kubaski; Alice Kunzler; Matias N. Frizzo; Camila Vogel; Renan Augusto KArger; Luís Antônio Benvegnú (Coordinator); Deise Regina Benetti

2007 – 2007 Extension Project of hygiene habits and parasites

Members: Francyne Kubaski; Gilberto I. Lunkes (Coordinator)

2009–2009 Lectures about Cancers

Members: Francyne Kubaski; Matias N. Frizzo (Coordinator)

2008 – 2008 Cancer: perspectives and treatments

Members: Francyne Kubaski; Matias N. Frizzo (Coordinator)

Graduate student, Advisor

Vrastasha Vrastasha, (Mentoring program)

Zainab Tanvir, (Mentoring program)

Effie Halakos, (Mentoring program)

Christian Escobar (Mentoring program)

Undergraduate student, Advisor

Fernanda Ferreira, Universidade Federal do Rio Grande do Sul-UFRGS, Brazil

Jéssica Dick, Universidade Federal do Rio Grande do Sul-UFRGS, Brazil

Teaching experience

Fall/2017 (09/2017- 12/2017) Undergraduate level Genetics for Nurses, Universidade Federal do Rio Grande do Sul-UFRGS, teaching assistant: gave lectures, graded exams; Supervisor: Roberto Giugliani

Winter/2016 (01/2016; 02/2016) Undergraduate level Introductory Biology II, UDEL, teaching assistant: lab, graded exams. Supervisor: Ian Stewart.

Fall/2015 (08/2015-12/2015) Undergraduate level Principles of Biology, UDEL, teaching assistant: lab, graded exams. Supervisor: Patricia Walsh and Robert Ketcham.

Spring/2015 (02/2015; 5/2015) Undergraduate level Introductory Biology II, UDEL, teaching assistant: lab, graded exams. Supervisor: Catherine Kirn-Safran and David Raden.

Spring/2013 (03/2013-07/2013) Undergraduate level Genetics for Nurses, Universidade Federal do Rio Grande do Sul-UFRGS, teaching assistant: lectures, grading; Supervisor: Roberto Giugliani

Spring/2013 (03/2013-07/2013) Undergraduate level Medicine, Medical Clinics, Universidade Federal do Rio Grande do Sul-UFRGS, teaching assistant: lectures; Supervisor: Tor Gunnar Hugo Onsten/Leo Sekini

Fall/2012 (08/2012-12/2012) Undergraduate level Genetics for Nurses, Universidade Federal do Rio Grande do Sul-UFRGS, teaching assistant: lectures, grading; Supervisor: Roberto Giugliani

Fall/2012 (08/2012-12/2012) Undergraduate level Medicine, Medical Clinics, Universidade Federal do Rio Grande do Sul-UFRGS, teaching assistant: lectures; Supervisor: Tor Gunnar Hugo Onsten/Leo Sekini

Spring/2009 (03/2009-07/2009) Instituto Cenecista de Ensino Superior de Santo Angelo-IESA, RS, Brazil, Undergraduate level Hematology, tutor

Fall/2008 (08/2008-12/2008) Instituto Cenecista de Ensino Superior de Santo Angelo-IESA, RS, Brazil, Undergraduate level Pathology, tutor

Spring/2008 (03/08-07/08) Instituto Cenecista de Ensino Superior de Santo Angelo-IESA, RS, Brazil, Undergraduate level Physiology, tutor

Fall/2007 (08/2007-12/2007) Instituto Cenecista de Ensino Superior de Santo Angelo-IESA, RS, Brazil, Undergraduate level Anatomy, tutor

Tutoring experience

Principles of Biology

Hematology

Pathology
Physiology
Anatomy

Awards

2008 PROUNI- Instituto Cenecista de Ensino Superior de Santo Ângelo, IESA, Brazil
2012 Graduate Fellowship award Universidade Federal do Rio Grande do Sul-UFRGS
2013 Science without borders Program- Graduate fellowship
2015 University of Delaware- Professional development award for World Symposium (\$500) 2015
2015 University of Delaware- Travel award for World Symposium (\$300) 2015
2016 Young investigator award-MSACL 2016 US
2016 University of Delaware- Professional development award for MSACL 2016 US (\$300) 2016
2017 Young Investigator award-13th Annual WORLDSymposium
2017 University of Delaware- Professional development award for 13th Annual WORLDSymposium US (\$200) 2017
2017 University of Delaware- Travel award for World Symposium (\$300) 2017
2017 Theodore Wolf Prize- Outstanding Dissertation in the Physical and Life Sciences (Animal and Food Sciences, Applied Physiology, Bioinformatics, Biological Sciences, Chemistry & Biochemistry, Climatology, Entomology & Wildlife Ecology, Geography, Geology, Marine Studies, Nursing Science, Oceanography, Plant & Soil Sciences and Physics). Dissertation title: Diagnosis and therapies for Mucopolysaccharidoses (\$1,000) 2017
2017 ICIEM 2017 YOUNG DELEGATES SCHOLARSHIPS for 13th International Congress of Inborn Errors of Metabolism 2017
2018 SSIEM Academy by the SSIEM
2018 SSIEM travel scholarship for the SSIEM symposium
2019 Young Investigator Award- 15th Annual WORLDSymposium
2020 GSEM Young Investigator Award- GSEM
2020 Dussault Medal- ISNS

Memberships

International Society for Neonatal Screening

Publications

Articles Published in Scientific Journals

1. Zanella, A.C; **Kubaski, F**; Kanan, J.H.C; ONSTEN, T.G.H. (2012). Analysis of the Anti-A and Anti-B hemagglutinin titers in blood donors from the Hospital de Clínicas de Porto Alegre. *Transfusion and Apheresis Science*, 47 (3):369.
2. **Kubaski, F**; Lunkes, D.S., Onsten, T.G.H. (2013). Reporting of transfusion reactions in a hospital of Brazil. *Blood transfusion*, 11 (1):1.
3. Facchin, A.C.B; **Kubaski, F**; Giugliani, R.; Segal, S.L. (2012). Important aspects in the molecular diagnosis of mucopolysaccharidoses. *Journal of Inherited Metabolic Disease*, 36 (5):905-6.

4. **Kubaski, F.**; Brusius-Facchin, A.C.; Palhares, H.M.C.; Balarin, M.A.S.; Viapiana-Camelier, M.; Guidobono, R.; Burin, M.G.; Giugliani, R.; Leistner-Segal, S. (2013). Identification of a novel missense mutation in Brazilian patients with a severe form of Mucopolysaccharidosis type IVA. *Gene*, 15 (1):112-5.
5. **Kubaski, F.**; Jantsch, T.F.; Wayer, S.L.; Benetti, D.R.; Rodrigues, J.A.; Figueiredo, L.S.; Onsten, T.G.H. (2013). Practice strategy to prevent alloimmunization in regional blood center of Santa Rosa, South Brazil. *Transfus Apher Sci*, 49 (2) 364.
6. Morrone, A.; Tylee, K.L.; Al-Sayed, M.; Brusius-Facchin, A.C.; Caciotti, A.; Church, H.J.; Coll, M.J.; Davidson, K.; Fietz, M.J.; Gort, L.; Hedge, M.; **Kubaski, F.**; Lacerda, L.; Laranjeira, F.; Leistner-Segal, S.; Mooney, S.; Pajares, S.; Pollard, L.; Ribeiro, I.; Wang, R.Y.; Miller, N. (2014). Molecular Testing of 163 Patients with Morquio A (Mucopolysaccharidosis IVA) Identifies 39 Novel GALNS Mutations. *Molecular Genetics and Metabolism*, 112 (2):160-70.
7. Shimada, T.; Tomatsu, S.; Yasuda, E.; Mason, R.W.; Mackenzie, W.G.; Yamaguchi, S.; Suzuki, Y.; Orii, K.; Montano, A.M.; **Kubaski, F.**; Giugliani, R.; Orii, T. (2014). Chondroitin 6-sulfate as a novel biomarker for mucopolysaccharidosis IVA and VII. *JIMD Rep*, 16: 15-24.
8. Shimada, T.; Kelly, J.; Lamarr, W.A.; Vlies, N.V.; Yasuda, E.; Mason, R.W.; Mackenzie, W.G.; **Kubaski, F.**; Giugliani, R.; Chinen, Y.; Yamaguchi, S.; Suzuki, Y.; Orii, K.; Fukao, T.; Orii, T.; Tomatsu, S. (2014). Novel heparan sulfate assay by using automated high-throughput mass spectrometry: application to monitoring and screening for mucopolysaccharidoses. *Mol Genet Metab*, 113:92-9.
9. Tomatsu, S.; Shimada, T.; Mason, R.W.; Montano, A.M.; Kelly, J.; Lamarr, W.; **Kubaski, F.**; Giugliani, R.; Guha, A.; Yasuda, E.; Mackenzie, W.G.; Yamaguchi, S.; Suzuki, Y.; Orii, T. (2014). Establishment of glycosaminoglycan assays for mucopolysaccharidoses. *Metabolites*, 11 (3):655-79.
10. Tanjuakio, J.; Suzuki, Y.; Patel, P.; Yasuda, E.; **Kubaski, F.**; Tanaka, A.; Yabe, H.; Mason, R.W.; Montano, A.M.; Orii, K.; Orii, K.O.; Fukao, T.; Orii, T.; Tomatsu, S. (2014). Activities of Daily living in patients with Hunter Syndrome: Impact of enzyme replacement therapy and hematopoietic stem cell transplantation. *Mol Genet Metab*, 114(2):161-9.
11. Tomatsu, S.; Almeciga-Diaz, C.J.; Montano, A.M.; Yabe, H.; Tanaka, A.; Dung, V.C.; Giugliani, R.; **Kubaski, F.**; Mason, R.W.; Yasuda, E.; Sawamoto, K.; Mackenzie, W.G.; Suzuki, Y.; Orii, K.; Barrera, L.A.; Sly, W.S.; Orii, T. (2015). Therapies for the bone in mucopolysaccharidoses. *Mol Genet Metab*, 114 (2):94-109.
12. Tomatsu, S.; **Kubaski, F.**; Sawamoto, K.; Mason, R.W.; Yasuda, E.; Tsutomu, S.; Montano, A.M.; Yamaguchi, S.; Suzuki, Y.; Orii, T. (2014). Newborn screening and diagnosis of mucopolysaccharidoses. *Nikon Masu Sukurinigu Gakkai Shi*, 24:19-37.
13. Shimada, T.; Tomatsu, S.; Mason, R.; Yasuda, E.; Mackenzie, W.G.; Shibata, Y.; Montano, A.M.; **Kubaski, F.**; Giugliani, R.; Yamaguchi, S.; Suzuki, Y.; Orii, K.; Fukao, T.; Orii, T.; Hossan, J. (2014). Development of a novel biomarker for mucopolysaccharidoses: level of di-sulfated keratan sulfate. *JIMD Rep*, 21:1-13.

14. Tomatsu, S.; Sawamoto, K.; Almeciga-Diaz, C.J.; Shimada, T.; Bober, M.B.; Chinen, Y.; Yabe, H.; Montano, A.M.; Giugliani, R.; **Kubaski, F.**; Yasuda, E.; Rodriguez-Lopez, A.; Espejo-Mojica, A.J.; Sanchez, O.F.; Mason, R.; Barrera, L.A.; Mackenzie, W.G.; Orii, T. (2015). Impact of Enzyme Replacement Therapy and Hematopoietic Stem Cell Transplantation in Patients with Morquio A Syndrome. *Drug Des Devel Ther*, 9:1937-53.
15. Kubaski, F.; Tomatsu, S.; Patel, P.; Shimada, T.; Xie, L.; Yasuda, E.; Mason, R.; Mackenzie, W.G.; Theroux, M.; Bober, M.B.; Oldham, M.H.; Orii, T.; Shaffer, T.H. (2015). Non-invasive pulmonary function test on Morquio patients. *Mol Genet Metab*, 115(4):186-92.
16. Kecskemethy, H.H.; **Kubaski, F.**; Harcke, H.T.; Tomatsu, S. (2016). Bone mineral density in MPS IVA (Morquio syndrome type A). *Mol. Genet. Metab.* 117(2):144-9.
17. Simonaro, C.M.; Tomatsu, S.; Sikora, T.; **Kubaski, F.**; Frohbergh, M.; Guevara, J.M.; Wang, R.Y.; Vera, M.; Kang, J.L.; Smith, L.J.; Schuchman, E.H.; Haskins, M.E. (2016). Pentosan polysulfate: oral versus subcutaneous injection in Mucopolysaccharidosis type I dogs. *PlosOne*, 11(4):1-18.
18. **Kubaski, F.**; Kecskemethy, H.H.; Harcke, H.T.; Tomatsu, S. (2016) Bone mineral density in mucopolysaccharidosis IVB. *Mol. Genet. Metab.* 8 (8): 80-4.
19. **Kubaski, F.**; Mason, R.W.; Nakatomi, A.; Shinatku, H.; Xie, L.; van Vlies, N.N.; Church, H.; Giugliani, R.; Kobayashi, H.; Yamaguchi, S.; Suzuki, Y.; Orii, T.; Fukao, T.; Montañó, A.M.; Tomatsu, S. (2016) Newborn screening for mucopolysaccharidosis: a pilot study of measurement of glycosaminoglycans by tandem mass spectrometry. *J. Inherit. Metab. Dis.* 40(1): 151-8.
20. **Kubaski, F.**; Osago, H.; Mason, R.W.; Yamaguchi, S.; Kobayashi, H.; Tsuchiya, M.; Orii, T.; Tomatsu, S. (2016) Glycosaminoglycans detection methods: applications of mass spectrometry. *Mol. Genet. Metab.* 120 (1-2): 67-77.
21. **Kubaski, F.**; Suzuki, Y.; Orii, K.; Giugliani, R.; Church, H.J.; Mason, R.W.; Dũng, V.C.; Ngoc CT.; Yamaguchi, S.; Kobayashi, H.; Girisha, K.M.; Fukao, T.; Orii, T.; Tomatsu, S. (2016). Glycosaminoglycan levels in dried blood spots of patients with mucopolysaccharidoses and mucopolipidoses. *Mol. Genet. Metab.* 120(3): 247-54.
22. **Kubaski, F.**; Brusius-Facchin, A.C.; Mason, R.W.; Patel, P.; Burin, M.G.; Michelin-Tirelli, K.; Kessler, R.G.; Bender, F.; Leistner-Segal, S.; Moreno, C.A.; Cavalcanti, D.P.; Giugliani, R.; Tomatsu, S. (2017). Elevation of glycosaminoglycans in the amniotic fluid of a fetus with mucopolysaccharidosis VII. *Prenat. Diagn.* 37(5): 435-9.
23. Stapleton, M.; **Kubaski, F.**; Mason, R.W.; Yabe, H.; Suzuki, Y.; Orii, K.E.; Orii, T.; Tomatsu, S. (2017). Presentation and treatments for Mucopolysaccharidosis type II (MPS II; Hunter syndrome). *Expert opinion on orphan drugs* 5(4): 295-307.
24. Doherty, C.; **Kubaski, F.**; Tomatsu, S.; Shaffer, T.H. (2017). Non-invasive pulmonary function test on Morquio patients. *Journal of Rare Diseases Research & Treatment* 2 (2): 56-62.

25. **Kubaski, F.**; Yabe, H.; Suzuki, Y.; Seto, T.; Hamazaki, T.; Mason, R.W.; Xie, L.; Onsten, T.G.H.; Leistner-Segal, S.; Giugliani, R.; Dung, V.C.; Ngoc, C.T.B.; Yamaguchi, S.; Montaña, A.M.; Orii, K.E.; Fukao, T.; Shintaku, H.; Orii, T.; Tomatsu, S. (2017). Hematopoietic stem cell transplantation for patients with Mucopolysaccharidosis II. *Biol. Blood Marrow Transplant* 23(10): 1795-1803.
26. Azario, I.; Pievani, A.; Del Priori, F.; Antolini, L.; Santi, L.; Corsi, A.; Cardinale, L.; Sawamoto, K.; **Kuabski, F.**; Gentner, B.; Bernardo, M.E.; Valsecchi, M.G.; Riminucci, M.; Tomatsu, S.; Aiuti, A.; Biondi, A.; Serafini, M. (2017). Neonatal umbilical cord blood transplantation halts skeletal disease progression in the murine model of MPS I. *Scientific Reports* 7, 9473: 1-13.
27. Caldieraro, M.C.; Blaya, C.; Brusius-Facchin, A.C.; **Kubaski, F.**; Leistner-Segal, S.; Fleck, M.P. (2017). Can clinical subtypes contribute to genetic studies of major depression? *Australasia Psychiatry* 25 (6) 633-4.
28. Lemos, N.E.; Farias, M.G., **Kubaski, F.**; Scotti, L.; Onsten, T.G.H.; Brondani, L.A.; Wagner, S.C.; Sekine, L. (2018). Quantification of peripheral blood CD34+ cells prior to stem cell harvesting by leukapheresis: a single center experience. *Brazilian Journal of Hematology and Hemotherapy (in press)*.
29. Caldiero, M.A.; McKee, M.; Leistner-Segal, S.; Vares, E.A.; **Kubaski, F.**; Spanemberg, L.; Brusius-Facchin, A.C.; Fleck, M.P.; Mischoulon, D. (2018). Val66Met polymorphism association with serum BDNF and inflammatory biomarkers in major depression. *World J Biol Psychiatry* 19(5): 402-9.
30. Giugliani, R.; Vairo, F.; **Kubaski, F.**; Poswar, F.; Riegel, M.; Baldo, G.; Saute, J.A. (2018). Neurological manifestations of lysosomal storage disorders and emerging therapies targeting the CNS. *The lancet child and adol* 2(1): 56-68.
31. Stapleton, M.; Arunkumar, N.; **Kubaski, F.**; Mason, R.W., Orii, T.; Tomatsu, S. (2018). Clinical presentation and diagnosis of Mucopolysaccharidoses. *Molecular Genetics and Metabolism (in press)*.
32. Bochernitsan, A.N.; Brusius-Facchin, A.C.; Couto, R.C.; **Kubaski, F.**; Lopes, S.S.S.; Gondim, C.E.; Medeiros, P.F.V.; Souza, C.F.M.; Giugliani, R.; Leistner-Segal, S. (2018). Spectrum of GALNS mutations and haplotype study in Brazilian patients with Mucopolysaccharidosis type IVA. *Meta gene* 16: 77-84.
33. Stapleton, M.; Hoshina, H.; Sawamoto, K.; **Kubaski, F.**; Mason, R.W.; Mackenzie, W.G.; Theroux, M.; Kobayashi, H.; Yamaguchi, S.; Suzuki, Y.; Fukao, T.; Tadao, O.; Ida, H.; Tomatsu, S. (2019). Critical review of current Mucopolysaccharidoses guidelines and management. *Molecular Genetics and Metabolism* 126:238-245.
34. Giugliani, R.; Bender, F.; Couto, R.; Bochernitsan, A.; Brusius-Facchin, A.C.; Burin, M.; Amorim, T.; Acosta, A.; Purificação, A.; Leistner-Segal, S.; Saraiva-Pereira, M.L.; Jardim, L.; Matte, U.; Riegel, M.; Cardoso dos Santos, A.; Rodrigues, G.; de Oliveira, M.; Tagliani-Ribeiro, A.; Heck, S.; Dresch, V.; Schuler-Faccini, L.; **Kubaski, F.** (2019). Population Medical Genetics: Translating science to the community. *GMB* 42:312-320.

35. Giugliani, R.; Vairo, F.; Burin, M.; Michelin-Tirelli, K.; Brusius-Facchin, A.C.; **Kubaski, F.**; Souza, C.F.; Baldo, G.; Poswar, F.O. (2019). Lysosomal diseases: Overview on current diagnosis and treatment. *GMB* 42:165-177.
36. Taylor, M.; Shaukat, K.; Stapleton, M.; Wang, J.; Wynn, R.; Yabe, H.; Chinen, Y.; Boelens, J.J.; Mason, R.W.; **Kubaski, F.**; Horovitz, D.; Barth, A.; Serafini, M.; Bernardo, M.E.; Kobayashi, H.; Orii, K.; Suzuki, Y.; Orii, T.; Tomatsu, S. (2019). Hematopoietic stem cell transplantation for mucopolysaccharidoses: past, present and future. *Biology of blood and marrow transplantation* 25(7):e226-e246.
37. Schuh, R.; Gonzalez, E.; Tavares, A.; Seolin, B.; Elias, L.; Vera, L.P.; **Kubaski, F.**; Poletto, E.; Giugliani, R.; Matte, U.; Teixeira, H.; Baldo, G. (2020). Neonatal nonviral gene editing with the CRISPR/Cas9 system improves cardiovascular, respiratory, and bone disease in mucopolysaccharidosis I mice. *Gene Therapy* 27, (1-2):74-84.
38. Stapleton, M.; **Kubaski, F.**; Mason, R.W.; Shintaku, H.; Kobayashi, H.; Yamaguchi, S.; Taketani, T.; Suzuki, Y.; Orii, K.; Fukao, T.; Tomatsu, S. (2020). Newborn screening for Mucopolysaccharidoses: Measurement of glycosaminoglycans by LC-MS/MS. *Molecular Genetics and Metabolism* 10; 22: 1-6.
39. **Kubaski, F.**; de Oliveira Poswar, F.; Michelin-Tirelli, K.; Matte, U.S.; Horovitz, D.D.; Barth, A.L.; Baldo, G.; Vairo, F.; Giugliani, R. (2020). Mucopolysaccharidosis Type I. *Diagnostics* 10, 161.
40. **Kubaski, F.**; de Oliveira Poswar, F.; Michelin-Tirelli, K.; Graeff, M.B.; Málaga, D.R.; Brusius-Facchin, A.C.; Leistner-Segal, S.; Giugliani, R. (2020). Diagnosis of Mucopolysaccharidoses. *Diagnostics* 10(3), 162.
41. Arunkumar, N.; Langan, T.J.; Stapleton, M.; **Kubaski, F.**; Mason, R.W.; Singh, R.; Kobayashi, H.; Yamaguchi, S.; Suzuki, Y.; Orii, K.; Orii, T.; Fukao, T.; Tomatsu, S. (2020) Newborn screening of mucopolysaccharidoses: past, present, and future. *J. Hum Genet. Epub ahead of print.*
42. Bender, F.; Burin, M.G.; Tirelli, K.; Medeiros, F.; Bitencourt, F.; Civallero, G.; Kubaski, F.; Bravo, H.; Daher, A.; Carnier, V.; Franco, J.; Giugliani, R. (2020). Newborn screening for lysosomal disorders in Brazil: a pilot study using a customized fluorimetric assays. *GMB* 43(2): 1-6.
43. Vairo, F.P.; Malaga, D.R.; Kubaski, F.; de Souza, C.F.M.; Poswar, F.O.; Baldo, G.; Giugliani, R. (2020). Precision medicine for lysosomal disorders. *Biomolecules* 10, 1110.
44. Kubaski, F.; Vairo, F.; Baldo, G.; Poswar, F.O.; Corte, A.D.; Giugliani, R. (2020) Therapeutic options for Mucopolysaccharidosis II (Hunter Disease). *Current Pharmaceutical design* 26: 1-10.
45. Kubaski, F.; Sousa, I.; Amorim, T.; Pereira, D.; Trometer, J.; Souza, A.; Ranieri, E.; Polo, G.; Burlina, A.; Brusius-Facchin, A.C.; Netto, A.B.O.; Tomatsu, S.; Giugliani, R. (2020) Neonatal Screening for MPS Disorders in Latin America: A survey of pilot initiatives. *Int. J. Neonatal Screen* 6,90:1-10.

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7. Kubaski, F. WORLDSymposium™ realizados nos EUA revela novidades em pesquisa, Caiu na rede, 2019.
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1. **Kubaski, F.;** Pedigree construction and exercises. In: Rare diseases: inheritance patterns and pedigree construction. Virtual, 2021, online.
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7. **Kubaski F.** Diagnóstico, tratamento y abordaje multidisciplinario para pacientes con mucopolisacaridosis. 2018. Simposio Enfermedades Raras, Mucopolisacaridoses.
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 12. **Kubaski, F.**; Newborn screening for Mucopolysaccharidoses. 2016, 6th Annual University of Delaware Graduate Research Forum.
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Complementary education

- | | |
|-------------|---|
| 2021 | Pesquisa Neonatal: Lo qe se puede prevenir una gota de sangre
Asociación Bioquímica Uruguaya |
| 2021 | ISNS- SCID virtual meeting |
| 2018 | Introdução a técnica de CRISPR
2018 International congress of Genetics |
| 2018 | 11 th SSIEM Academy
SSIEM 2018 England |

- 2016** Introduction to Clinical MS Method Development
MSACL 2016 US
- 2015** 14th International Postgraduate Course on Lysosomal storage disorders
Villa Metabolica, Johannes Gutenberg-University Mainz
- 2014 – 2014** Experimental Methods in Systems Biology.
Icahn School of Medicine at Mount Sinai
- 2014** Case study Workshop
Delaware Technical Community College
- 2013** Short Term Course in Useful Genetics
University of British Columbia, UBC, Canada
- 2012** Continuing Education in Experimental Genome Science
University of Pennsylvania, United States
- 2012 - 2012** Short Term Course in Good Clinical Practice
Hospital de Clínicas de Porto Alegre, HCPA, Porto Alegre, Brazil
- 2012 – 2012** Short Term Course in How to write and publish scientific articles
Hospital de Clínicas de Porto Alegre, HCPA, Porto Alegre, Brazil
- 2012 - 2012** Short Term Course in Research project and management of references
Hospital de Clínicas de Porto Alegre, HCPA, Porto Alegre, Brazil
- 2012 - 2012** Short Term Course in Clinical Laboratory techniques in research
Hospital de Clínicas de Porto Alegre, HCPA, Porto Alegre, Brazil
- 2011 - 2012** Short Term Course in Myelodysplastic Syndrome
Associação Brasileira de Hematologia e Hemoterapia- Hemo educa,
ABHH-HEMO.EDUCA, Brazil
- 2011 - 2011** Short Term Course in Clinical analysis in hemoglobinopathies
Universidade Feevale, FEEVALE, Novo Hamburgo, Brazil

Other relevant information

- 1** Trainee at the Regional blood Center of Santa Rosa-RS (HEMOSAR), for a semester.
- 2** Two week training at tandem mass spectrometry for the analysis of lysosomal enzymes and biomarkers for lysosomal storage disorders at the University of Washington (Seattle).
- 3** 6 weeks research fellow at Women`s and Children`s Hospital, North Adelaide, SA, Australia.