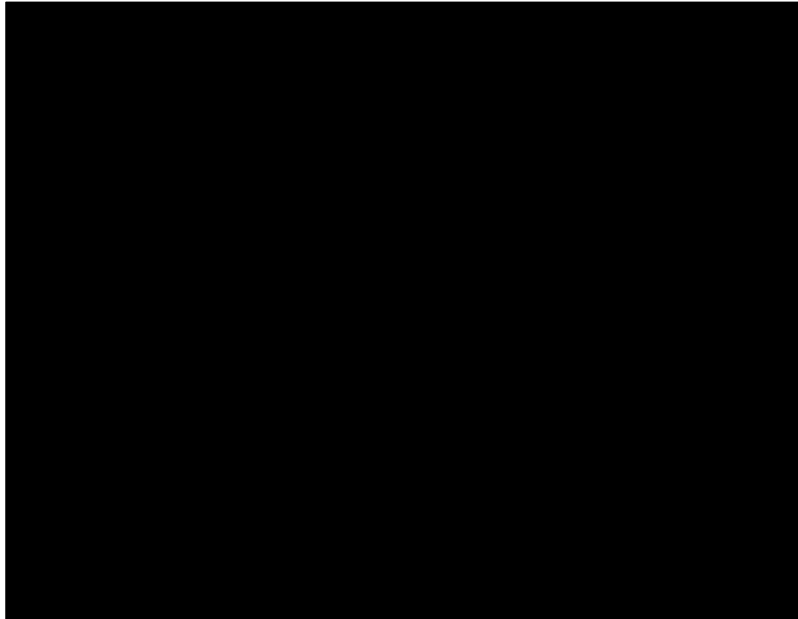


SAMMY BASSO



Curriculum vitae

(Updated the day 2023/07/21)

Name: Sammy

Last name: Basso

Address:

Born:

Gender: Male

Nationality: Italian

Home phone:

Personal phone:

E-mail:

Spoken languages: Italian; English; Venetan

Actual business and titles:

- BLS-D provider
- Master's Degree in Molecular Biology; Bachelor's Degree in Natural Sciences
- Front man of the Sammy Basso's Italian Association for Progeria
- Front man of the Sammy Runners
- Member of the Italian Network for Laminopathies direction board
- International Ambassador of the Progeria research Foundation
- Content creator of @aiprosab @sammyrunners @sammysalamandra @sammybasso
- European Medicines Agency (EMA) expert witness
- Co-owner of "Humanitas – e pluribus genīis" company

- + Since July 14th, 2023, co-founder of the association Network Italiano Laminopatie (Italian Network for Laminopathies).
- + On June 16th, 2023, speaker at “Brilliant Mind 2023 – Future-Gazing” in Stockholm.
- + Since February 2023, co-creator and co-owner of “Humanitas – e pluribus genīs” company, a project aimed to analyses DNA data in order to estimate ethnicity, health and medical predisposition and to understand better the evolution and migration of the ancient people.
- + On November 2nd, 3rd, and 4th, 2022, speaker and chair at the “2022 Progeria Research Foundation International Scientific Workshop”.
- + Since June 6th, 2022, scientific consultant for the Progeria Research Foundation.
- + On April 1st, 2022, featured in an article of the New York Times titled “Living With Gusto Despite a Rare, Fatal Disease, and Hunting for Answers”.
- + Since 2022, owner of a radio program called “Siamo caduti in Basso” on the radio streaming named Radio Voice.
- + On December 5th, 2021, “Gold Medal” of the City of Cologna Veneta.
- + Since August 2021, International Ambassador for the Progeria Research Foundation.
- + On July 14th, 2021, speaker at the STAT Breakthrough Science Summit in the slot “Does genetics + CRISPR = medicine?” together with dr. Leslie Gordon (Progeria Research Foundation, Hasbro Children’s Hospital, Alpert Medical School of Brown University, Anesthesia at Harvard Medical School and Boston Children’s Hospital), dr. David R. Liu (Broad Institute, Harvard University, HHMI investigator), and dr. Francis S. Collins (Director of the NIH until the 19th of December 2021).
- + On March 24th, 2021, graduated in Molecular Biology from the Università degli Studi di Padova (University of Padua), mark 107/110, with a thesis titled “Crosstalk between Lamin A and Interleukin 6 under stress conditions and in premature ageing”, a study conducted in the Molecular Genetics Institute – National Center of Research (IGM-CNR, Italy) aimed to show a correlation between inflammation, the symptoms of Hutchinson-Gilford Progeria Syndrome, and ageing.
- + On March 2nd, 2021, promoter and co-creator of an awareness campaign on cardio-protection and defibrillation consistent of a petition called “Cardio-proteggiamo l’Italia (approviamo il DDL-1441)” (“Let’s Cardio-protect Italy (let’s approve the DDL-1441)”), a campaign sustained by thousands of followers that ends with the approval of the cardio-protection bill on May 28th, 2021.
- + During the Covid19 pandemic, engaged in the scientific disclosure on the pandemic itself in the social networks, in television programs and in private meetings, included several for first-aid providers in pandemic situation.

- + During the Coovid19 pandemic, writer of pandemic safety regulations for several companies.
- + During the Covid19 pandemic, testimonial of the City of Padua for spreading and encourage the use of the surgical mask.
- + During the Covid19 pandemic, part of ViralVeneto, an influencer task force wanted by the Veneto Region (Italy) for spreading correct information regarding: the scientific features of SARS-CoV2; the related Covid19 pandemic; the individual and social protections to be used against it; and the law in force.
- + Since 2020, participants to a course for young entrepreneurs called "Sharing in-formation ideas and innovations for Development" (SiiiD).
- + On October 17th and 18th, 2019, chair of two conferences called "I'm-possible" in which physicists, engineers and astronauts (Umberto Guidoni, ESA/ASI; Elisabetta Liuzzo, INAF-IRA-EHT; Julia Casanueva, INFN-VIRGO; Mirko Pojer, CERN-LHC; Claudio Bortolin, CERN-ATLAS; Antonella del Rosso, CERN; Paolo Musi, TAS), involved in the last great discoveries in the fields of particle physics, astrophysics, radioastronomy and space missions in the last years, explained their achieved goals and future objectives. This event was followed by other "I'm possible" events, as a chair and as a speaker.
- + On September 29th, 2019, co-organizer of the "Sammy runs Brenta" with the Sammy Runners, a group of friends aimed to spread the idea of inclusion focusing on collaborations, disability and social impact. This first half-marathon was then followed by three other half-marathon and many other related events, like the "Sammy runs Milano" and the "Sammy runs Venice 2".
- + On February 18th, 2019, co-author of the paper "Development of a CRISPR/Cas9-based therapy for Hutchinson-Gilford progeria syndrome" in *Nature Medicine*.
- + Since February 2019 to July 2019, external collaborator of the Ministry of the Family and Disabilities of the Italian Republic as "expert in support of the activities of the cabinet office".
- + On December 19th, 2018, Knight of the Order of Merit of the Italian Republic for *motu proprio* of the President of the Italian Republic Sergio Mattarella.
- + Since November 2018, expert witness of the European Medicines Agency.
- + In 2018, received "Civilitas Prize" of Dama Castellana association, "emerging young" category.
- + From August 25th, 2018, BLS-D (first aid and defibrillation) provider of DAN Europe (Divers Alert Europe).
- + On July 17th, 2018, graduated in Natural Sciences from the Università degli Studi di Padova (University of Padua), mark 110/110 *cum laude*, with a thesis titled "Novel use of CRISPR-Cas9 system as a therapy for HGPS", a study conducted in the Universidad de Oviedo (University of

Oviedo) and aimed to try for the first time a systemic gene editing approach in a murine model of Hutchinson-Gilford Progeria Syndrome.

+ On January 21st, 2018, first receiver of the “EURORDIS Young Patient Advocate Award” at the EURORDIS (European Rare Diseases Organization) Black Pearl Awards.

+ On November 13th, 2018, received the “Radicchio d’Oro” prize, signaled from venetian land, for “civil commitment and solidarity”.

+ On November 27th, 2017, received the Rotary “Paul Harris Fellow” form Rotary International with the following motivation “as a sign of appreciation and gratitude for his tangible and significant contribution in promoting a better mutual understanding and friendly relations between peoples from all over the world”.

+ On May 3th, 2017, speaker at the 5th International Youth’s Appointment for Peace organized by Sermig in Padua.

+ On the October 23rd, 2016, co-organizer of the “Sammy runs Venice” with a group of friends aimed to run the Marathon of Venice spreading the idea of inclusion focusing on collaborations, disability and social impact.

+ On December 19th, 2015, received the “Bassano del Grappa city prize” with the following motivation: “Vitality, energy, sympathy are the qualities of Sammy that conquer from the first meeting. Commitment, study, seriousness are the characteristics that led him at a very young age to be one of the pioneers in the field of research and in the fight against genetic diseases. Founder of the Sammy Basso’s Italian Association for Progeria and the Italian Network for Laminopathies, in collaboration with the CNR-IGM (Bologna), he involved the best researchers and created sensitivity among citizens, making Bassano del Grappa the center of the international scientific debate. Thanks to Sammy Basso for teaching us that the person is not the disease, it is simply himself”.

+ On November 17th, 2015, speaker at the TEDxLecce with the speech “How to transform Disability into Productiveness”.

+ In 2015, Ju-Jitsu black belt *honoris causa*.

+ Since 2015, part of a project for a higher inclusion of the people with disability in the University of Padua.

+ On April 1st 2015, author of the book “Il Viaggio di Sammy” (The Sammy’s Trip), edited by Rizzoli, translated in the 2016 also in Polish with the title “Nie zmienię bym niczego!”.

+ In 2015, special mention from 206th district of Rotary Italia of the prize “When the will overcomes every obstacle”.

- + Since 2015, member of the Associazione Arma Aeronautica (Italian Air Force Association).
- + Since 2015, speaker at the events “Centodieci è Ispirazione” (110 is Inspiration) and author for “Centodieci.it” of the Mediolanum Corporate University.
- + In 2014, co-author of the book “Scolpire il corpo, scoprire l’anima” (Sculpt the body, discover the soul), edited by Biblos.
- + Since 2014, part of the direction board of the Italian Network for Laminopathies.
- + Since 2014, vice-president and actor of the musical company “Mendicanti di Sogni”
- + In 2014, received the Navajo name “Chaànaàgahìì” (man who still has a long way to go) from Larry Holiday, or Ashkìì, member of the Navajo tribe.
- + In 2014, received the Key to the City of Pontiac (Illinois, USA), by the mayor Bob Russell, and the 15th of September 2014 named “Sammy Basso’s Day” in the City of Pontiac.
- + In 2014, protagonist of a journey in the United States of America, along the Route 66, filmed by NatGeo People (National Geographic Italia), from which was edited a documentary/movie of 8 episode called “Il Viaggio di Sammy” (The Sammy’s trip). This documentary went on the air from the 16th of December 2014 arriving to be the most viewed one in the last 10 years in National Geographic Italia.
- + In June 2014, graduated at the Jacopo da Ponte Scientific High School in Bassano del Grappa (Italy) with the mark 85/100.
- + In 2012, accepted in the national Model European Parliament session in Rome, Bassano del Grappa delegation.
- + In 2012, winner, together with a group of friends, of the prize “Futuro Elettrizzante” (Electrifying Future) within the project “Mobilità Elettrica” (Electric Mobility) promoted by the Metal-mechanic category of Confartigianato (Italian Confederation for Craftmanship), aimed to project a service station for electric cars.
- + Since 2005, co-ideator and front man of the Associazione Italiana Progeria Sammy Basso (Sammy Basso’s Italian Association for Progeria), an association whose purposes are: to perform a scientific disclosure regarding Hutchinson-Gilford Progeria Syndrome; to raise funds for financing projects of research on this disease; to spread the awareness regarding disabilities in the society; to make the interest of the politics on financing research grow; the stimulation of the collaboration between scientific, medical, patient and pharmaceutical agency teams; the support for the family with

children with progeria. For this reason, since 2005, present in several journals, television programs, and other media / social media.

Scientific publications:

+ Santiago-Fernández, O., Osorio, F. G., Quesada, V., Rodríguez, F., Basso, S., Maeso, D., Rolas, L., Barkaway, A., Nourshargh, S., Folgueras, A. R., Freije, J. M. P., & López-Otín, C. (2019). Development of a CRISPR/Cas9-based therapy for Hutchinson-Gilford progeria syndrome. *Nature medicine*, 25(3), 423–426. <https://doi.org/10.1038/s41591-018-0338-6>

Bachelor's degree thesis:

“Novel use of CRISPR-Cas9 system as a therapy for HGPS”

University of Padua

Tutors: prof. Federica Sandrelli (University of Padua)

prof. Carlos López Otín (Universidad de Oviedo)

dott.sa Olaya Santiago Fernández (Universidad de Oviedo)

Master's degree thesis:

“Crosstalk between Lamin A and Interleukin 6 under stress conditions and in premature ageing”

University of Padua

Tutors: prof. Chiara Rampazzo (University of Padua)

dott.sa Giovanna Lattanzi (IGM-CNR Bologna)

dott.sa Crisitna Capanni (IGM-CNR Bologna)

Personal skills:

- Thanks to the experiences as front man and ambassador of several associations or groups, I developed the ability to speak in public and to sustain interviews in television programs, journals, websites, radio channels and similar, not only regarding scientific arguments, but also regarding personal issues, being so able to find a common field of empathy.
- Given the shortness of space in the scientific projects, of the time in the interviews, and given my scientific background, I developed the ability to summarize concepts and ideas as necessary, not only for being able to explain them, but also as way of thinking.
- Being many times in the situation of exposing ideas and concept for third part, I developed the ability to express strong position but avoiding useless contrast with people of different opinion.
- As promoter of the collaboration between several groups of research, often of different specialization, I developed the ability of team building, giving the priority on the expression of everyone and maintain a good environment during the work time, often with a kind of "peace-keeping action". Together with this I developed the ability to give a direction to the team also to enhancing time together for the member outside the job-experiences.
- As a scientist, but also as patient involved in the research, I accumulated experience on problem solving, especially for what concern the problems related the link between base research and medical research or related on performing well known procedures in not-well known situations (as it can be medical approach on patients with rare disease).
- Being in contact with people with my same disease from all around the world, I understood how to find common values among different cultures but also how to enhance differences as a way of increasing knowledge.
- Organizing events, conferences, and medical journeys, I have a quite good knowledge on how to manage bureaucracy, how to treat with public institutions and I developed a good ability as organizer.
- Being scientist, author (with published and still to publish books), content creators and article maker, I developed a quite high ability on writing in different styles and for different purposes.
- Being the content creator and the manager of different social network pages, I developed a quite good ability on how to manage social media jobs and how to interface with the web public.

I authorize the treatment of these personal data according to the current law in term of privacy of the country in which the receiver of these data operates.

A handwritten signature in black ink, appearing to read 'Samuel Z. Basso'.