Patricia Alessandrini's works, principally involving live electronics, actively engage with the concert music repertoire, and issues of representation, interpretation, perception and memory. She has become increasingly involved in multimedia, theatrical and collaborative work, often involving social and political issues.

Her compositions have been presented in new music festivals including Agora (Paris), Archipel (Geneva), Festival de la imagen (Manizales), Festival en tiempo real (Bogotá), Festival Synthèse (Bourges), Musica Strasbourg, Musiques Démesurées (Clermont-Ferrand), Musiques Inventives d'Annecy, Pacific New Music Festival (California), Sonorities (Belfast), Sound and Fury (NYC), and Miso Music Portugal - 25 Years (Lisbon), and performed by ensembles including Accroche Note, Arditti Quartet, Ensemble Aleph, Ensemble Alternance, Ensemble InterContemporain, Ensemble Itinéraire, Ensemble Vortex, Ives Quartet, New Millennium, Speculum Musicae, and Talujon Quartet. She has composed music for the Ballet de l'Opéra National du Rhin, and collaborated with institutions such as the Groupe de Recherches Musicales (GRM), Institut de Recherche et Coordination Acoustique/Musique (IRCAM), La Muse en Circuit, Musiques Inventives d'Annecy, Elektronmusikstudion (EMS, Stockholm) and other centres of research and production.

She studied composition with Ivan Fedele, Paul Koonce, Tristan Murail, and Thea Musgrave, and participated in courses with Richard Ayres, Franco Donatoni, Brian Ferneyhough, Beat Furrer, Jonathan Harvey, Michael Jarrell, Betsy Jolas, Helmut Lachenmann, David Lang, Pär Lindgren, Philippe Manoury and Marco Stroppa. She attended an experimental course in composition and live electronics at the Conservatorio di Bologna with Adriano Guarnieri and Alvise Vidolin, the One-Year Course in Composition and Computer Music of IRCAM, and IRCAM's Cursus II, involving the production of a multimedia project. She holds a diploma in composition from the Conservatoire Nationale de Région de Strasbourg and a PhD from Princeton University; her PhD thesis deals with computer-assisted composition and analysis. She has presented her music at various conferences and universities in the US and Europe, published and translated musicological articles, and served from 2007 to 2009 on the jury of the International Composition Competition of the Associazione Culturale Musicale EURITMIA. She has been awarded residencies at the Atlantic Center for the Arts, the Camargo Foundation, the Macdowell Colony, and the Virginia Center for the Creative Arts, and was invited as Composer-in-residence of the Soundscape Festival (Italy) for 2010. In 2008, she was awarded a three-year 'Studentship' from the Sonic Arts Research Centre (SARC) - Queens University, to complete a practice-based research PhD involving real-time physical modelling. She has taught alto perfezionamento of Computer-Assisted Composition at the Scuola superiore of the Accademia Musicale Pescarese, and was recently appointed Lecturer in Composition with Technology at Bangor University.