

**Dr. Ron Blonder** is a senior researcher in the Department of Science Teaching in the Weizmann Institute of Science

She completed her PhD studies in chemistry in the Hebrew University in Jerusalem and then decided to study chemistry between people and not just the chemistry of matter

She was the coordinator of the "Young thinker" program in Brancoweiss institute where she guided teachers and taught elementary school children.

She was the chemistry coordinator and the manager of the Belmonte laboratories in the Hebrew university and developed inquiry experiments based on advanced instrumentation for high school students

For 9 years she is faculty member in the Weizmann Institute of Science working on chemistry teacher professional development in Israel and in the World.

She is concerned about two central dimensions in chemistry education: First, currently school chemistry content often does not present contemporary chemistry and does not reflect an authentic process of chemistry knowledge utilized in modern research labs. Second, much of the pedagogy underlying chemistry teaching is not congruent with the ways young people learn today in the era of social networks.