

ADVANCES IN FORENSIC DNA TYPING

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DNA typing represents the most popular and powerful technique in criminal investigations.

In the last decades, new technologies (i.e. Next Generation Systems, rapid DNA systems) have been developed that enable increasing the effectiveness and reducing analysis time and costs.

New methods go beyond standard forensic DNA profiling since they allow, for example, to obtaining from crime scene samples, useful information about phenotypical characteristics (i.e. eye, hair, skin color), age and biogeography ancestry of the sample donor or analyzing no-human DNA.

This greatly help the investigations when there are no suspects or matches with profiles in DNA national databases.

Short Biography

Anna Barbaro has completed her European PhD in Forensic Genetics (PhD) at University of Santiago de Compostela (Spain). She got a Diploma at the School of Specialization in Applied Genetics and a Master Diploma in Psychological and Behavioral Techniques of the Criminal Investigation at the University of Rome La Sapienza (Italy). She has published more than 150 papers, including conference presentation, she is Author of 5 technical Manuals and of some chapters in other books. She serves as President of the Worldwide Association of Women Forensic Experts, she is honor member of some scientific associations, she serves as reviewer for several international scientific journals, and she is Member of the Editorial Committee of some international scientific journals. Invited speaker at various national and international conferences, organizer of courses and conferences about Forensic Sciences, member of the Scientific Committee of several courses and conferences. She served as researcher at the University of Alcalà (Spain).