

1 Investigative Genetic Genealogy

Bonnie Bossert, MBA, MCG June 22, 2023
Family History Library Webinar

2 American Genealogy Timeline

Family Trees by Francois Weil
Colonial
Vanity
Nationalist
Search for Roots
Genetics

Genetic Genealogy Timeline

ISOGG 20-year Timeline History of Genetic Genealogy
1980-1990's MtDNA YDNA
Early 2000's Consumer MtDNA and YDNA tests
2007- 2016 Consumer atDNA testing
2017- present Health and trait testing
IGG Investigative Genetic Genealogy

4 Investigative Genetic Genealogy Timeline

Use of DNA in solving certain crimes and identifying human remains
1984 Blood analysis
1990-1996 CODIS/ NDIS
2010 GEDmatch
2016-2018 IGG criminal ID
2023 IGG Standards and Ethics

5 What is Investigative Genetic Genealogy?**6 How is IGG done?****7 IGG cases in the news****8 IGG practitioner vs Traditional genealogist** 1 Traditional:

- Prove a relationship according to the Genealogical Proof Standard
- Documentary evidence required to support every relationship
- DNA evidence not required

 2 IGG:

- Provides a LEAD for a relationship
- Relationship proved or disproved using a direct STR DNA comparison in CODIS
- DNA Analysis by IGG

9 Why should genealogists care about IGG?

- Use of public trees
- Participation in accessible databases
- Governing laws
- Ethical practices

10 Use of public trees for IGG**11 Participation in IGG Accessible Databases**

Accessible by Police, Sheriffs, Coroners, Medical Examiners,
FBI REQUIRES YOU:

- Opt-In at FamilyTree DNA
- Opt-In at GEDmatch

12 Accessible Database FtDNA Opt-in**13 Accessible Database - GEDmatch Opt-in****14 Governing Laws/Policies**

- DNA Identification Act of 1994 (CODIS, NDIS)
- Department of Justice *Interim Policy* on forensic genetic genealogy 2019

15 Following ethical practices

- Protect the personal information and family ties of innocent individuals whose public information is accessed and becomes relevant during IGG
- Abide by the Terms of Service of the Accessible databases and the Standards set by IGGAB

16 IGGAB Call to Action

- Forensic Science International Vol. 341, December 2022

<https://www.sciencedirect.com/science/article/pii/S0379073822003255?dgcid=coauthor>

**17 IGGAB**

www.iggab.org

18 IGGAB**Who We Are**

- Wide range and depth of experience
- Most experienced IGG practitioners
- Volunteers deeply committed to proficient and ethical IGG practice
- Non-profit, transparent, independent

19 IGGAB Standards cover...

- Terminology
- Accreditation Requirements and Exam
- Professional Standards
- Core Competencies
- Ethical Standards
- Dispute Resolution

20 Terminology examples

- Investigative Genetic Genealogy – preferred over FGG/FIGG
- DNA Relative = “match”
- Accessible Genetic Genealogy Database
- Investigating Agency – Law Enforcement, Coroners, Medical Examiners, etc.
- Lead – information provided to L.E.

21 Core Competencies

- DNA And DNA Relative Analysis
- Investigative Analysis
- Genealogical Analysis
- Analytical Skills
- Genealogy Research Skills
- Genetic Genealogy Knowledge and Skills
- People-finding Skills
- Communication Skills

22 4 Broad Concerns addressed in the Standards

- Data privacy
- Public trust
- Proficiency
- Accountability

23 Database of AIGGs who meet the criteria

- To address the need for qualified and vetted IGG practitioners, the Board shall maintain a database of qualified IGGs that can be accessed by Investigating Agencies

24 What have we learned?

- Evolution of genealogy in U.S.
- What IGG is and what it is not
- Launch of a non-profit organization to regulate IGG (IGGAB)
- Standards proposed for IGG
- Future availability of IGG accreditation exam

25 How can you help?

- Upload your DNA and GEDcom to www.GEDmatch.com and Opt-in
- www.iggab.org

26 Questions?

Contact: bbossert@iggab.org