



Join Veronica Williams, founding Convenor of the Society of Australian Genealogists DNA Special Interest Groups for a series of four webinars looking at techniques for analysing your DNA results using chromosome analysis.

Are you ready to take your DNA results to the next level using chromosome analysis? Do you have your DNA data at a site with a chromosome browser and want to understand how to work with your results?

Analysing your DNA Results using chromosome analysis

After working with your DNA results broadly for a time you are probably ready to delve into analysing your results at the chromosome level. To confirm your pedigree *beyond 3rd cousins* or *where there is no documented paper trail* (with the exception of parent/child and sibling relationships) you need to undertake detailed chromosome analysis, using segment data. This series works through the necessary steps in the DNA research methodology to identify and confirm common ancestors from segment data. It is suitable for those who have tested at a chromosome site like FamilyTreeDNA, My Heritage or 23andMe, or have uploaded their results to GEDmatch.

The webinars can be viewed individually but are best viewed as a series. Later webinars will build on concepts discussed in earlier sessions.

Module 1 - Understanding DNA Basics - WED 25 Aug 2021 - NSW: 6pm-7pm;

This module covers the key concepts required for anyone starting out in DNA chromosome analysis for genealogy. We will cover defining your research goal, common terms and definitions, inheritance paths, relationship predictions, recombination and segment triangulation.

Module 2 - Organising your DNA data and determining match groups - WED 22 Sep 2021 - NSW: 6pm-7pm;

This module is designed to help you understand how to manage/organise your DNA data so you know what you are working with. Understand the difference between shared matches, shared segments and 'in common with', to identify common ancestral groups. We will also discuss the importance of shared cMs for predicted relationships and briefly explore working with clusters and other grouping methods.

Module 3 - Determining your Most Recent Common Ancestor (MRCA) from triangulated chromosome groups - WED 20 Oct 2021 - NSW: 7pm-8pm;

This module will cover techniques and tools to help you combine your genetic and traditional genealogy research. Identify likely ancestor groups using 'segment triangulation'. Use that knowledge to identify possible common ancestors between you and your DNA match using 'tree



triangulation'. We will also discuss different methods for building research trees and collaborating with others to increase your chances of success.

Module 4 - Confirming your genetic research and mapping your genome - WED 24 Nov 2021 - NSW: 7pm-8pm

This module will focus on using your genetic research to prove and expand your pedigree. We will consider what relationships can be 'confirmed by DNA' (including when there is no paper trail) and the Genealogical Proof Standard. Use your confirmed chromosome segment information to map your genome and use it as a visual aid to help determine the ancestral groups for your DNA matches and potentially break down brick walls.

More information

The following blog posts provide more detailed information about applying the DNA Research Methodology and building your DNA analysis skills:

- [DNA Research Methodology](#)
- [Developing your DNA analysis skills](#)
- [Building your DNA competency](#)

This series is suitable for intermediate DNA researchers. Whilst some foundation concepts will be discussed in Module 1 later modules will assume knowledge of basic DNA concepts and tools.

To fully benefit from this series participants should be familiar with most of the points outlined in the 'starting to work with your DNA results - the basics' section, in the blog post

<https://genemonkey25.blogspot.com/2021/06/building-your-dna-competency.html>

About the presenter

Veronica Williams is a self-described enthusiastic and obsessed 'amateur' genealogist with a special interest in DNA research. Veronica was instrumental in getting the SAG DNA Research Group established in 2015. Veronica does volunteer work on Wikitree.com, is a Wikitree Ambassador and Project Leader for the Australia Project. She is also the Project Administrator for a number of FTDNA projects including the Cassidy and Coat Surname Projects, Brittons of Ireland and County Wexford.