



Graduate Geochemist / Igneous Petrologist

- Perth office
- Newly created position
- An opportunity to make a difference to traditional exploration through artificial intelligence and machine learning technology
- Excellent remuneration and benefits

About SensOre

SensOre Ltd. is an exploration and technology company that combines artificial intelligence / machine learning proprietary technology, big data and technical excellence to advance exploration success. SensOre works with partners and clients to unlock the value of geoscience data and the potential of new and existing exploration sites. We invest heavily in our Technology division, including our research and development program, to validate and enhance our technology assets and product suite.

About the role

The Graduate Geochemist / Igneous Petrologist is to realise the key strategic value that geochemistry and igneous petrology contribute to SensOre. Geochemical & igneous petrological data are both high value resources and valued corporate assets comparable in their significance to the present and future sustainability of the company together with other data and information resources including other geoscience data layers, maps and reports.

Key duties

- Maintain a safe working environment for all employees, contractors and visitors
- Geochemical data acquisition, collation and cleaning
- Identification, collation and labelling of igneous petrological and exploration geochemical databases
- Interpretation of exploration geochemical & igneous petrological data
- Aid in the development of geochemistry-based machine learning systems
- Preparation of geochemical maps

The ideal candidate

- PhD in geochemistry/igneous petrology or similar field
- Demonstrated continued professional development and technical training
- Experience in geochemical sampling, analysis and recording protocols
- Demonstrated knowledge of geochemical principles, both litho-geochemistry and secondary dispersion processes and how this relates to sampling strategies and the detection of mineralised systems (especially under shallow cover)
- Knowledge of geochemical differentiation & characterisation of barren versus mineralised ore systems (e.g. VHMS, mafic/ultramafic igneous complexes etc.) utilising whole rock geochemistry

- Willingness to further coding abilities in a statistical package (e.g. R, Python, Julia) and familiarisation with modern SQL relational database management (including SQL Syntax)
- Familiarity with Office productivity tools such as Word, Excel and PowerPoint
- Some familiarity with the use of GIS systems such as ARCGIS, MapInfo/Discover or QGIS would be an advantage

How to apply

Please send your covering letter and current CV to employment@sensore.com.au.

SensOre is an equal opportunity employer that values diversity and inclusion.

You must have the right to work and live in Australia to be considered for this position.

Please note: Interviews may commence prior to the advertised close date.

Candidates will be considered via direct application only.

Recruitment consultants are respectfully requested not to submit applications for this role.