

	Description
Function	Internship – Statistical analysis and reporting of in-vivo data
Location / Contact	AC Immune SA, EPFL Innovation Park, Building B, 1015 Lausanne hr@acimmune.com
Percentage	100 % for 6 months, with a possibility of prolongation by up to 6 months
Reporting Line	Biostatistician
Company Profile	<ul style="list-style-type: none"> AC Immune is a clinical stage Swiss biotech company focused on the development of innovative therapeutics and diagnostics for Alzheimer's and other neurodegenerative diseases 140+ Employees, 20+ nationalities, IPO in 2016, listed on NASDAQ AC Immune SA is a progressive, equal opportunity employer
Job description	<p>AC Immune is looking for an intern to support the analysis of in-vivo data of SME compounds.</p> <p>The internship involves preparing datasets, performing exploratory data analyses and statistical analyses as per a pre-specified Statistical Analysis Plan, and reporting results, under the supervision of AC Immune's senior statistician.</p> <p>Tasks may also include, if time and planning permit, the preparation of a formal Statistical Analysis Plan following in-vivo study design finalization, application of Bayesian methods instead of the usual frequentist approach, development of an interface to allow for immediate statistical queries (e.g., R Shiny dashboard for correlation analyses).</p>
Key Responsibilities	<ul style="list-style-type: none"> Gather, format, clean, and merge all relevant datasets Conduct initial exploratory analyses and share and discuss results with researchers including identifying and dealing with potential outlier values Perform statistical analysis as per pre-specified Statistical Analysis Plan Gather and use historical comparator data Report and discuss analysis results with research team(s)
Qualifications & Skills	<p><i>Required:</i></p> <p>The candidate must hold a Bachelor's degree in Mathematical Engineering or equivalent, with proven training in Statistics</p> <ul style="list-style-type: none"> Interest in biology, neurology and neurodegenerative diseases Experience with R software, ideally with Linear Mixed Model analyses and/or Bayesian methods Other required skills include strong: <ul style="list-style-type: none"> Analytical and communication skills Interpersonal skills Proficiency in English (both written and oral) <p><i>Would be a big plus:</i></p> <ul style="list-style-type: none"> Experience with R Shiny and/or other R reporting packages