

# INSIST - IN Silico trials for treatment of acute Ischemic STroke

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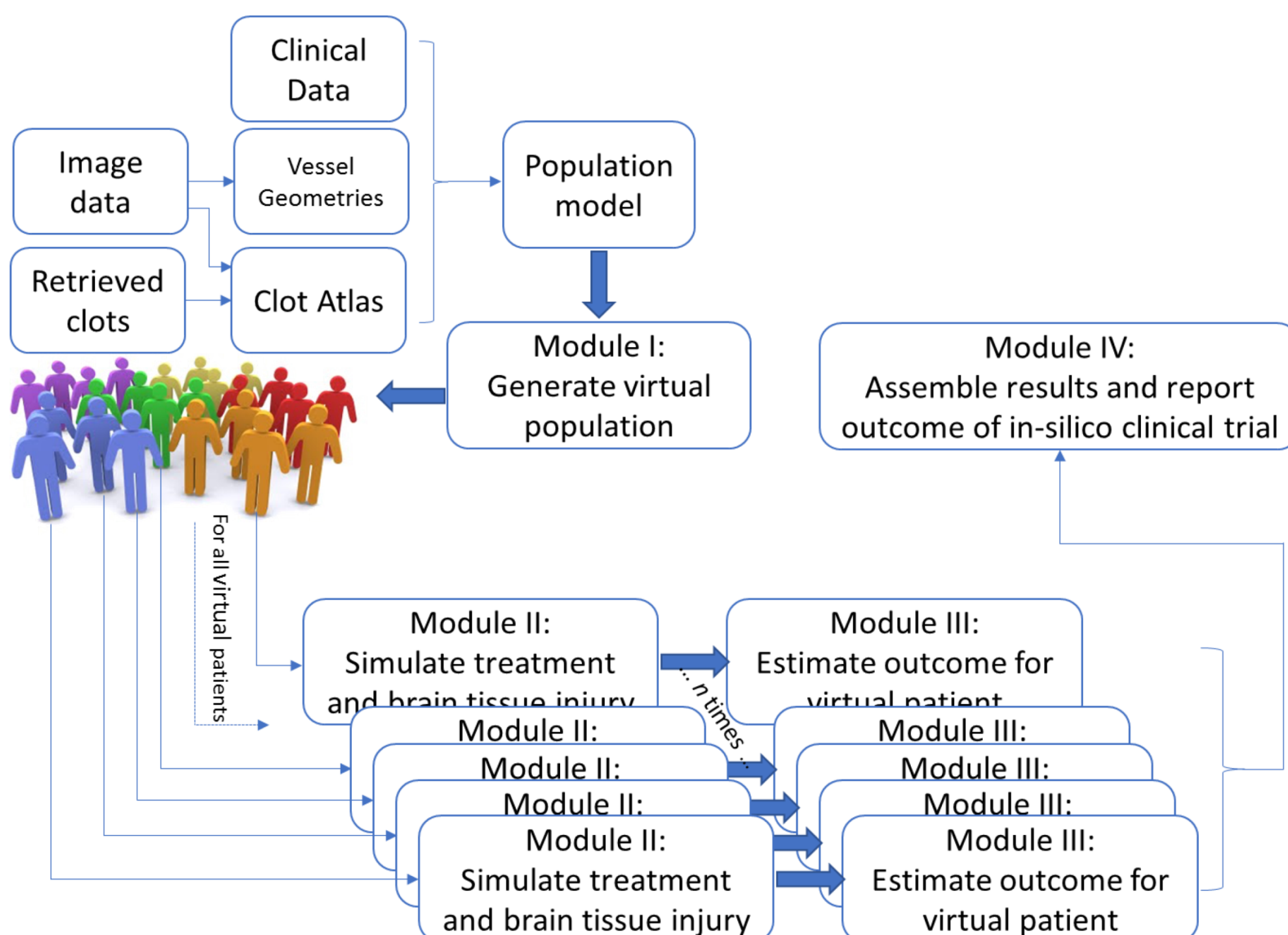
ON BEHALF OF THE INSIST INVESTIGATORS

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## Introduction

In-silico clinical trials are computer-based simulation of randomized controlled trials. INSIST is an international, inter-disciplinary consortium to develop models for in-silico Acute Ischemic Stroke (AIS) trials. This study aims to set up a platform to simulate randomized controlled trials to understand patient-specific (patho)physiology of AIS, interaction with treatment devices at relevant biological levels and treatment outcome.

## Design



**Figure:** Schematic overview of a full in-silico clinical trial

## Outcome

Accuracy of in-silico trials will be demonstrated by comparison with laboratory experiments and real-life randomised controlled trials.

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