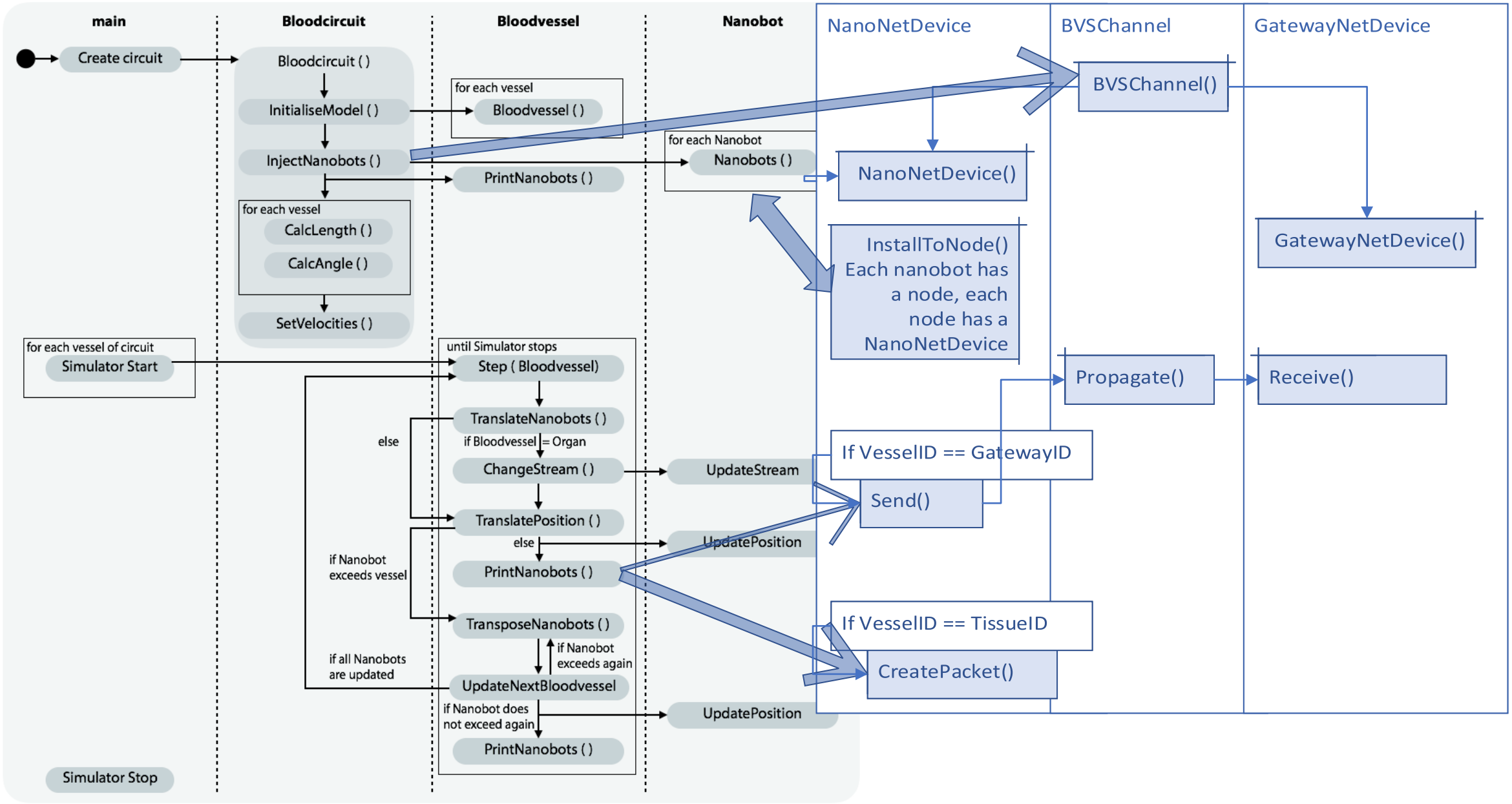
main
Bloodcircuit
Bloodvessel
Nanobot
NanoNetDevice
BVSChannel
GatewayNetDevice
Create circuit
Bloodcircuit ( )
InitialiseModel ( )
InjectNanobots ( )
for each vessel
CalcLength ( )
CalcAngle ( )
SetVelocities ( )
for each vessel
Bloodvessel ( )
PrintNanobots ( )
for each Nanobot
Nanobots ( )
BVSChannel()
NanoNetDevice()
GatewayNetDevice()
InstallToNode()
Each nanobot has a node, each node has a NanoNetDevice
for each vessel of circuit
Simulator Start
until Simulator stops
Step (Bloodvessel)
TranslateNanobots ( )
else
if Bloodvessel = Organ
ChangeStream ( )
UpdateStream
TranslatePosition ( )
else
UpdatePosition
if Nanobot exceeds vessel
PrintNanobots ( )
TransposeNanobots ( )
if Nanobot exceeds again
if all Nanobots are updated
UpdateNextBloodvessel
if Nanobot does not exceed again
UpdatePosition
PrintNanobots ( )
Simulator Stop
Propagate()
Receive()
If VesselID == GatewayID
Send()
If VesselID == TissueID
CreatePacket()