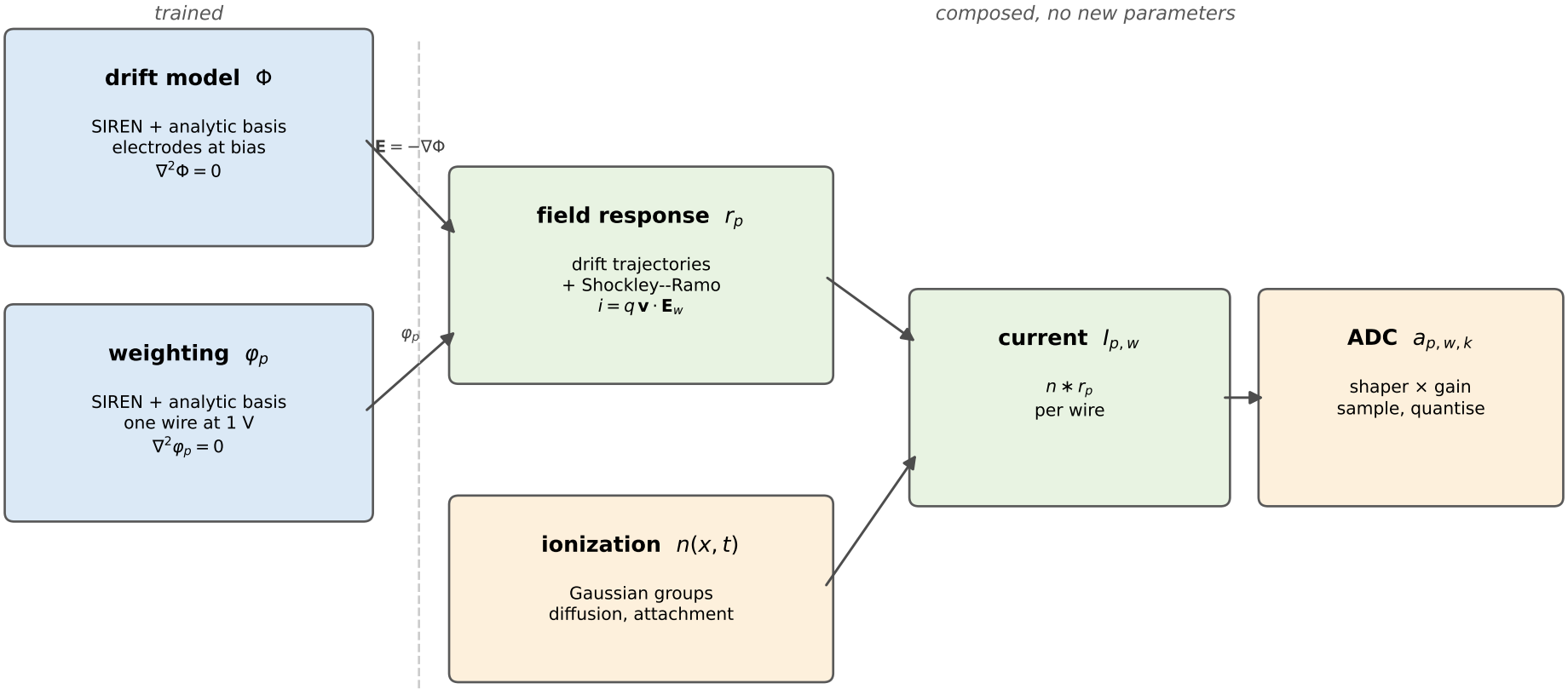
trained
composed, no new parameters
drift model Φ
SIREN + analytic basis
electrodes at bias
$\nabla^2\Phi = 0$
$\mathbf{E} = -\nabla\Phi$
weighting φ_p
SIREN + analytic basis
one wire at 1 V
$\nabla^2\varphi_p = 0$
φ_p
field response r_p
drift trajectories
+ Shockley--Ramo
$i = q\,\mathbf{v}\cdot\mathbf{E}_w$
ionization $n(x,t)$
Gaussian groups
diffusion, attachment
current $I_{p,w}$
$n * r_p$
per wire
ADC $a_{p,w,k}$
shaper × gain
sample, quantise