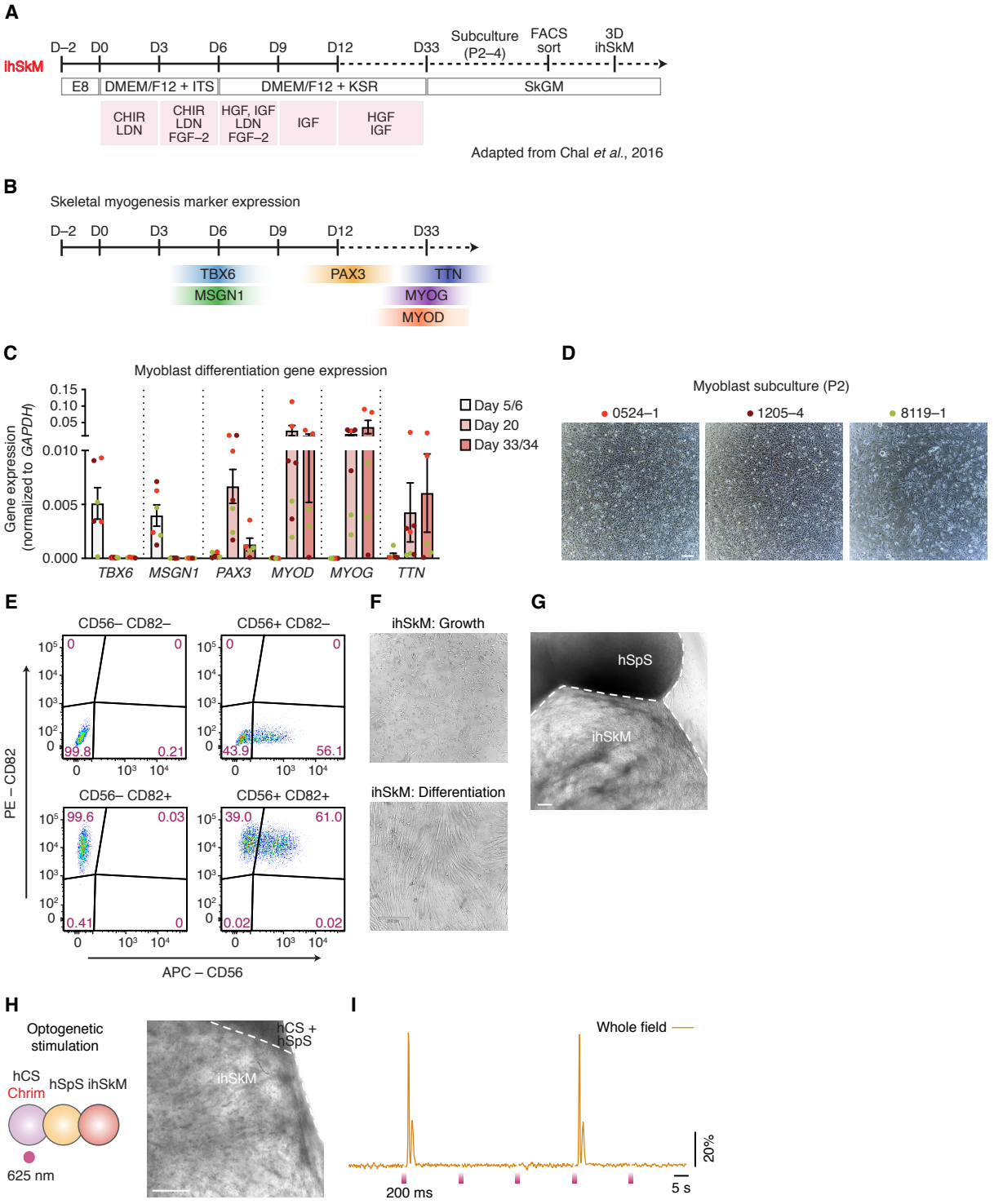
Figure S8


A
ihSkM
D–2 D0 D3 D6 D9 D12 D33
Subculture (P2–4)
FACS sort
3D ihSkM
E8
DMEM/F12 + ITS
DMEM/F12 + KSR
SkGM
CHIR LDN
CHIR LDN FGF–2
HGF, IGF LDN FGF–2
IGF
HGF IGF
Adapted from Chal et al., 2016
B
Skeletal myogenesis marker expression
D–2 D0 D3 D6 D9 D12 D33
TBX6
MSGN1
PAX3
TTN
MYOG
MYOD
C
Myoblast differentiation gene expression
Gene expression (normalized to GAPDH)
Day 5/6
Day 20
Day 33/34
TBX6 MSGN1 PAX3 MYOD MYOG TTN
D
Myoblast subculture (P2)
0524–1
1205–4
8119–1
E
CD56– CD82–
CD56+ CD82–
CD56– CD82+
CD56+ CD82+
99.8 0.21
43.9 56.1
99.6 0.03
39.0 61.0
0.41 0
0.02 0.02
PE – CD82
APC – CD56
F
ihSkM: Growth
ihSkM: Differentiation
G
hSpS
ihSkM
H
Optogenetic stimulation
hCS
Chrim
hSpS ihSkM
625 nm
hCS + hSpS
ihSkM
I
Whole field
20%
200 ms
5 s