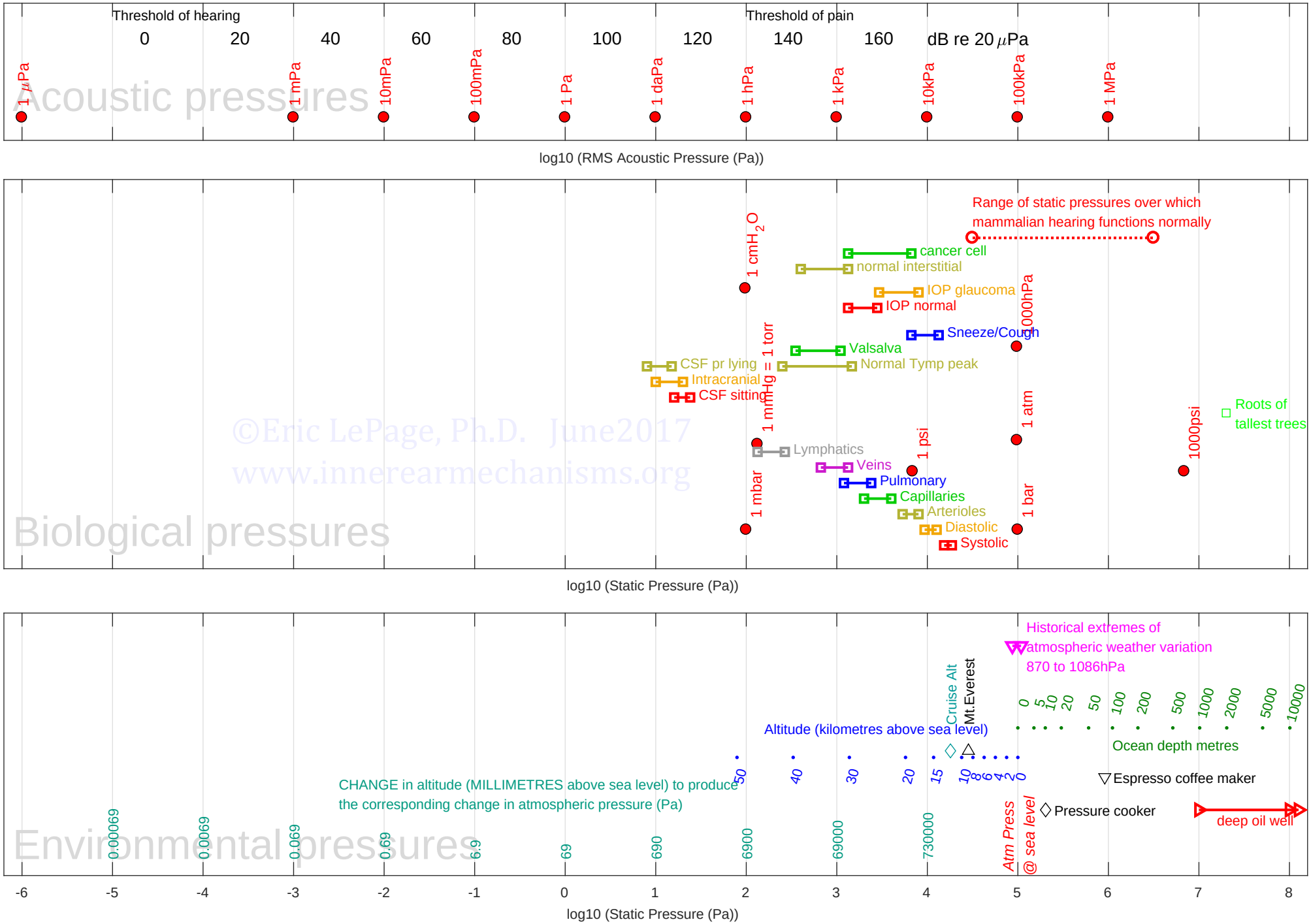
Threshold of hearing
Threshold of pain
0
20
40
60
80
100
120
140
160
dB re 20 μPa
1 μPa
1 mPa
10mPa
100mPa
1 Pa
1 daPa
1 hPa
1 kPa
10kPa
100kPa
1 MPa
Acoustic pressures
log10 (RMS Acoustic Pressure (Pa))
Range of static pressures over which
mammalian hearing functions normally
1 cmH2O
cancer cell
normal interstitial
IOP glaucoma
IOP normal
Sneeze/Cough
Valsalva
CSF pr lying
Normal Tymp peak
Intracranial
CSF sitting
1 mmHg = 1 torr
1 mbar
Lymphatics
Veins
Pulmonary
Capillaries
Arterioles
Diastolic
Systolic
1 psi
1000hPa
1 atm
1 bar
1000psi
Roots of
tallest trees
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Biological pressures
log10 (Static Pressure (Pa))
Historical extremes of
atmospheric weather variation
870 to 1086hPa
Cruise Alt
Mt.Everest
Altitude (kilometres above sea level)
0
5
10
20
50
100
200
500
1000
2000
5000
10000
Ocean depth metres
50
40
30
20
15
10
8
6
4
2
0
CHANGE in altitude (MILLIMETRES above sea level) to produce
the corresponding change in atmospheric pressure (Pa)
Espresso coffee maker
Pressure cooker
deep oil well
0.00069
0.0069
0.069
0.69
6.9
69
690
6900
69000
730000
Atm Press
@ sea level
Environmental pressures
-6
-5
-4
-3
-2
-1
0
1
2
3
4
5
6
7
8
log10 (Static Pressure (Pa))