

# Propositions

1. Target selection, microbubble functionalization, imaging and quantification are all minimal requirements for ultrasound molecular imaging (this thesis).
2. Self-demodulation signal is a double edged sword for contrast subharmonic imaging (this thesis).
3. The choice between subharmonic, fundamental or ultra-harmonic for micro-ultrasound contrast imaging will depend on the application and required depth of imaging (this thesis).
4. Bubbles; the better they stick; the better they hide (this thesis).
5. PVA bubbles can be used as micro-pumps for delivery of therapeutic gasses in vivo (this thesis).
6. Ultrasound molecular imaging of atherosclerosis; of mice and men (after Robert Burns and John Steinbeck).
7. Getting the visa is the most difficult part of presenting your work in a conference.
8. Cardiovascular disease is the main cause of death in the western world, but for maximum gain in Quality Adjusted Life Years, it were better to invest in preventing war and disaster.
9. Practice, practice and practice are the three elements to replace talent, facilities and luck.
10. The origin of consciousness is in the breakdown of the bicameral mind (Julian Jaynes's thesis).

**11 - زندگی یک تصادف است و مرگ یک واقعیت (احمد شاملو)**

11. Life is an accident and death a reality (Ahmad Shamlu).